

U.S. Army Corps of Engineers New England District

FINAL REMEDIAL INVESTIGATION REPORT AREA OF CONTAMINATION (AOC) 57

> VOLUME II OF III APPENDICES A THROUGH D

CONTRACT DACA-31-94-D-0061 DELIVERY ORDER NUMBER 0001

U.S. ARMY CORPS OF ENGINEERS NEW ENGLAND DISTRICT CONCORD, MASSACHUSETTS

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VOLUME II OF IIIAPPENDICES A THROUGH D

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Prepared for:

U.S. Army Corps of Engineers New England District Concord, Massachusetts

Prepared by:

Harding Lawson Associates
Portland, ME
Project No. 45001
Task No. 0914403

June 2000

DTIC QUALITY INSPECTED 4

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EXPLORATION LOGS

SOIL BORING LOG		Study Area: ACC 57 Boring No.: 578-95-01X
Client: USATHAMA	Project No. 9144-02	Protection:
Contractor: D.L. Maker	Date Started: 9-26-95	Completed: 9-26-95
Method: 41/2"(ID) HSA	Casing Size:	PI Meter: TE 580A OVA1
Ground Elev.:	Soil Drilled: 3 23 ft 21 ft	Total Depth: 23 F4
Logged by: STIM	Checked by:	Below Ground: ZC. 6 ft
Screen: - (ft.) Riser:	(ft.) Diam: (ID) Material:	Page i of: ス
DEPTH (FT) SAMPLE NUMBER SAMPLE DEPTH CLP/SCREENING RECOVERY	SOIL CLASS SOIL CLASS	PB SS SELL DATA LITHOLOGY ELEVATION (FT.)
BX570/CO	Top 1.1: Gravelly med SAND, well sm graded, 15% f to c gravel of 10% c sand, 5% f sind, 15% Sitt, nomplastic, 1005, dry, brown, angular. Bottom of Mid. SAND moderately graded, 5% c sand, 5712% with nomplastic, losse, 5712% with nomplastic, losse,	
BXS-70165	0.0 Med to C SAND, well graded, 100% f sand, 25% fines, 1005e thy to damp, tan With 5% downer class.	11 13 16 1/
200 - Out of the Control of the Cont	0.0 Med. SAND, moderately graded, 15% frank, <5% fides, 10052, SW danker, swith 5% danker, swith 5% danker	원 수 명 원
18 11111111111111111111111111111111111	6.0 Med to C SAID, well graded, 15% ford C gravely to 1"max, sw asing, last tan with 5-10% dk. gray clasts, subargular	7 11, 23 20
PROPORTIONS (-) A	MOUNT (+) ABBREVIATIONS	
Trace (tr) 0-10 Little (II) 10-2 Some (so) 20-3 and 35-5	f = fine gr = gray MS = Split m = medium bn = brown BW = Scree c = coarse blk = black HP = Hydro HP = H	ened Auger opunch
×	Crain sige samples collected for	om lach span. B Environmental Services, Inc.

Study Area: ADC. 57 SOIL BORING LOG Boring No.: 57B-95-01 Client: USATHAMA 9144-02 Project No. Protection: Contractor: Date Started: 9-26-95 Completed: 9-2/_-Method: 4/4" Casing Size: PI Meter: TE Total Depth: Ground Elev .: Soil Drilled: 57.11 ☑ Below Ground: 2000 Logged by: Checked by: (ft.) Screen: (ft.) Diam: (ID) Material: **少_of:** こ Riser: Page CLP/SCREENING EVATION (FT.) SAMPLE DEPTH WELL DATA LITHOLOGY RECOVERY graded (sim) PID (ppm) BLOWS/6-IN. SOIL/ROCK DESCRIPTION 17 SAND moderately H. fanwith 5-10% dark gray class, Med SAND, poorly 5-10% f sand, 2 5-10% foard, 25% fires, med. deuse; top 1.1 damp, outing 0.4 wet, it ian 1.5 42 VITTA STO dank clasts; ENDANGUION <u>A</u> Y 7 5-10 % & Sand, UZ SP med dause; saturated 1.5 0.0 21-23 with 5) dale clasts. EUDONGWOUL. 23 Botom of exploration of 23. sugers advanced to 21'-Depth to Water = 20.69 **PROPORTIONS** (-) AMOUNT (+) **ABBREVIATIONS** MS = Split Spoon Trace (tr) 0-10% f = fine gr = gray Little (II) 10-20% m = medium bn = brown BW = Screened Auger HP = Hydropunch Some (so) 20-35% c = coarse blk = black and 35-50%

92021590 (-)	SOIL	ВО	RIN	G L	OG								Study Are Boring No			
1	Client: L	Client: USATHAMA Project No. 9144-02								Protection	า:	D				
	Contract	or:				Date	Started:		9/2710) 			Complete	d: 9/z	795	_
	Method:	4/2	" <i>+</i>	154		Cas	ing Size:						PI Meter:			
	Ground Elev.: Soil Drilled: 19 A-								Total Dep	oth:	191					
	Logged l	oy:	Sjo	n		Che	cked by:						¥ Beid	w Grou	nd: /	6-921
	Screen:		(ft/)	Ris	er:	(ft.) Dia	m:	(ID)	Material:			Page 2	2 of:	2	
	र ОЕРТН (FT)	SAMPLE NUMBER	SAMPLE DEPTH	CLP/SCREENING	яесолея	PID (ppm)			OCK DESC			SOIL CLASS	BLOWS/6-IN.	WELL DATA	ПТНОСОGY	ELEVATION (FT.)
	15	4120217	E-19		1.5'	0.0 V.O				erately a sand of the tans.		3W- 5M 3- 3-	Ø ≠ 9 8			
	19 ————————————————————————————————————		TION	S	(-) A	MOUI	Lep 10		·	to 19 = 16.92	las.					
1	PRO Trace Little Som and	e (tr) (11)		S	(-) A 0-10 10-2 20-3 35-5	0% 5%	N I (+)	f = fi m =		IONS gr = gray bn = brown blk = black	MS = 5 BW = 5 HP = F	Scree	ened Auger			

NOTE: PID battery I'M; whall to measure gom for 19-21

SCALE	
_	
Not to	
EPTH M	
n	

SOIL BORING LOG		Boring No.: 578-95-04X
Client: USATHAMA	Project No. 9144-02	Protection:
Contractor: D.i. Makes	Date Started: 9/28/95	Completed: 9/28/95
Method: 4/2" HSA	Casing Size:	PI Meter: TE 580 4 OVM
Ground Elev.:	Soil Drilled: 17	Total Depth: 17
Logged by: Sim	Checked by:	Below Ground: 13, 3 1
Screen: (ft.) Riser:	(ft.) Diam: (ID) Material:	Page 1 of:
(\dots), \dots		
DEPTH (FT) SAMPLE NUMBER SAMPLE DEPTH CLP/SCREENING RECOVERY (FX)	PID (ppm) SOIL/BOCK DESCRIPTION	PB PS PS PS PS PS PS PS PS PS PS PS PS PS
2	oc Gravelly, sitty med SAND, very, well gooded, 5% c' sm 2" max, 10% c sand, 10% c sand, 15% sitt, 100se, moist dk brown. "Earthy" swell-	1356
5-7 1.3	0.0 Med SAND, well graded, 500 C a moved to 361" SW	5739
	max, ETO f gravel, 10% c sand 5-10% of sand, 572% sitt, loose, moist, yellowish brown.	
10 - 10- 1.4	DO M to C SAND, well graded,	57912
2	zono f gravel, 15% f sand, su 25% silt, Icose, moist, tan 2 2	
15	The CAND carding condid	
BXST0415 BFS70418	0.0 F to m SAND, party graded, 190 c Sand, med dense, Sp. saturosed, fan.	5 15 25 24
	- tugers advanced to 17 ft by - spoons driven to 17 ft bys.	
Trace (tr) 0-10	m = medium bn = brown BW = Scre	Spoon pened Auger ropunch

SOIL BORING LOG		Study Area: Aoc 57
	Project No. 09144-08	Boring No.: 573-96-07 X Protection: Wed. D
Client: USACE Contractor: N.H.B		Protection: Med. D Completed: 8.28.86
Method: 4.25" (154	Casing Size: —	PI Meter: TE 5808 OUM
Ground Elev.:	Soil Drilled: 12.0 FT	Total Depth: 12.0 495
Logged by: [2.Mc(ou/	Checked by: RRZ	▼ Below Ground: ~ 5.0 1695
Screen: ~ (ft.) Riser:	- (ft.) Diam: - (ID) Material: -	Page 1 of: 1
(/	(ta)	
DEPTH (FT) SAMPLE NUMBER SAMPLE DEPTH ON-SITE SCREENING	HECOOKUDISCHARGE WATER DESCRIPTION	
2 - ONSITE O 02225	Solutiockidischarge water Description 1.8 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0	Service 2 2 2 7 7 8 2 2 2 2 2 2 2 2 2 2 2 2 2 2
9312005S L7	FORT	SOIL BORING LOG OJECT OPERATIONS PLAN DEVENS, MASSACHUSETTS -ABB Environmental Services, Inc.

SOIL BORING LOG		Study Area: XCC 57 Boring No.: 578-96-586
Client: USA (E	Project No. 09144-08	Protection: MCO O
Contractor: NHB	Date Started: 8/29/96	Completed: 8/29/96
Method: 4.25 NG	Casing Size:	PI Meter: TE 5808 OVA
Ground Elev.:	Soil Drilled: 12.0	Total Depth: 12'
Logged by: H K WILSON		¥ Below Ground: ~€
Screen: 1/1 (ft.) Riser:		Page / of: /
DEPTH (FT) SAMPLE NUMBER SAMPLE DEPTH SAMPLE SCREENING	WE SOIL/ROCK/DISCHARGE WATER DESCRIPTION TOPICOL ARY TO L. RON C. A. A.	•
- COUSTE OF SE	10 0.4 m/sizt + GRENEL + ROOTS LOSE NIS SIZE -107 GRAVEL 3" SP	Sw 7469
2		Pico SP 5 5 6 7

SOIL BORING LOG PROJECT OPERATIONS PLAN FORT DEVENS, MASSACHUSETTS

SOIL BORING LOG		Study Area: ACC 57 Boring No.: 57.096-098							
Client: 45 AEC	Project No. 09 144, 08	Boring No.: 57 R 96-09X Protection: 1200. 1							
Contractor: NAB Date Started: 8/29 75 Completed: 3, 29/9C									
Method: 4.25 Lisin Casing Size: PI Meter: TE 5808 ovin									
Ground Elev.: Soil Drilled: 12.0 Total Depth: 12'									
Logged by: H.K WILLDA		▼ Below Ground: -3							
Screen: MA (ft.) Riser:	- (ft.) Diam: - (ID) Material: -	Page / of: /							
DEPTH (FT) LLLL SAMPLE NUMBER G-2 SAMPLE DEPTH G-2 SAMPLE DEPTH G-2 SAMPLE DEPTH	SOIL/ROCK/DISCHARGE WATER DESCRIPTION BRAFA SAMO W/SILT + GRAVEL 1.2' O -151. SILT , TRACE RESTS LOWER 1.2' O -151. SILT , GRAVEL S" SEU								
4'		3456							
10 13 1111 1111 1111 1111 111 111 111 11	1.6' U TRACE SHT LEGGE 2" SPO END OF BORN'S AT 12"	355							

SOIL BORING LOG PROJECT OPERATIONS PLAN FORT DEVENS, MASSACHUSETTS

Client: US OCE Project No. 69140-03 Projection: Mail Project No. 69140-03 Projection: Mail 9.3.76 Contractor: N. 1+ B. Date Started: 9.3.96 Completed: 9.3.76 Method: 1/.25 145.4 Casing Size: Planet State Sold Dilled: 17.0 FT Total Depth: 17.0 16.5 Logged by: P. 196 (a) Checked by: RPZ Delay Ground: 19.0 16.5 Screen: - (ft.) Riber: - (ft.) Diam: - (ID) Material: Page / of: (Screen: - (ft.) Riber: - (ft.) Diam: - (ID) Material: Page / of: (- ONSITE S DOIS / CO.D. Growly Ground: Ary, lower, warplastic, red sint sint sint sint sint sint sint sint	SOIL BORING LOG		Study Area: Acc 57 Boring No.: 57.5-96-10X
Contractor: N 1+ B. Date Started: 9.3.96 Completed: 9.3.76 Method: 9.25 145A Casing Size: Pl. Meter: TC 5003 Count Ground Elev.: Soil Drilled: 17.0 FT Total Depth: 17.0 125 Logged by: P. McC on Checked by: PRR Screen: - (ft.) Pilam: - (ft.) Diam: - (ft.) Material: Page 1 of: (Total Depth: 17.0 125 Screen: - (ft.) Pilam: - (ft.) Diam: - (ft.) Material: Page 1 of: (Total Depth: 17.0 125 Screen: - (ft.) Page 1 of: (Total Depth: 17.0 125 Scree	Client: USACE	Project No. 69144-67	310 10 10 1
Method: G, 25' 145A Ground Elev.: Soil Drilled: 17.0 FT Total Depth: 17.0 by 5 Logged by: D, 106 Co. Checked by: PPR Screen: - (ft.) Riker: - (ft.) Diam: - (10) Material: - Page / of: / Screen: - (ft.) Riker: - (ft.) Diam: - (10) Material: - Page / of: / I Total Depth: 17.0 by 5 Screen: - (ft.) Riker: - (ft.) Diam: - (10) Material: - Page / of: / I Total Depth: 17.0 by 5 Screen: - (ft.) Riker: - (ft.) Diam: - (10) Material: - Page / of: / I Total Depth: 17.0 by 5 Screen: - (ft.) Riker: - (ft.) Diam: - (10) Material: - Page / of: / I Total Depth: 17.0 by 5 Screen: - (ft.) Riker: - (ft.) Diam: - (10) Material: - Page / of: / I Total Depth: 17.0 by 5 Screen: - (ft.) Riker: - (ft.) Diam: - (10) Material: - Page / of: / I Total Depth: 17.0 by 5 I			
Ground Elev: Logged by: P. M.C. Co. Checked by: PRIZ Screen: - (It.) Riber: - (It.) Diam: - (ID) Material: - Page 1 of: (Total Depth: 17.0' Lys Screen: - (It.) Riber: - (It.) Diam: - (ID) Material: - Page 1 of: (Total Depth: 17.0' Lys Selow Ground: ~ 9.0' Lys Solution Cooperation Solution Cooperat			DI Maria
Logged by: P. M. (a) Checked by: PRR Screen: - (ft.) Riber: - (ft.) Diam: - (ID) Material: - Page 1 of: (Wilding to the control of the con		Soil Drilled: 17.0 FT	7
Screen: - (It.) Riber: - (It.) Diam: - (ID) Material: - Page 1 of: / Construction Construc	Logged by: P.M.Co.		Below Ground: ~ 9 0 1/25
CONSITE 5 10 1.7 D.D. Five SAND, peoply graded, trace sit; CONSITE 70 5 2.0 D.D gravel, dry, love, monplostre, CONSITE 10 2 1.7 D.D. Five SAND, poorly graded trace sit; GEFFORT TO SO 2.0 D.D. Five SAND, poorly graded trace sit; GEFFORT TO SO	1 1		
CONSITE 5 00 1.7 0.0 Five SAND, rearly graded, trace sitts GENERAL TO 5 1/2 2.0 0.0 Gravel, dry, love, non-plastic, SP CONSITE 10 0 1/7 0.0 Five SAND, parry graded, trace sitt CONSITE 10 0 1/7	DEPTH (FT) SAMPLE NUMBERT SAMPLE DEPTH ON-SITE SCREENING	HECOVERY PiD (ppm) SOUTHOCKNDISCHARGE MATER DESCRIPTION	SOIL CLASS
	CHESTER 2 10 10 10 15 15 15 15 15 15 15 15 15 15 15 15 15	1.9 Die SAND party graded, trace of gravel, won-plastic, structures, Med. loves, light brown Light one sit is gravely won-plastic, struck 2.0 Die sit is gravely won-plastic, struck 2.0 loose, light grayish brown w/ redelesh len	50 54/5/5/5/5/5/5/5/5/5/5/5/5/5/5/5/5/5/5/

SOIL BORING LOG PROJECT OPERATIONS PLAN FORT DEVENS, MASSACHUSETTS

SOIL BORING LOG			10 C 57
Client: USACE			7B-96-11X
Contractor: N H B	Date Started: 9.3.96	91.00	4.0d. D 3.76
Method: 4.25 " HSA	Casing Size:		5803 OUM
Ground Elev.:	0.10.11	Total Depth:	
Logged by: R. McCoy	Checked by: RRR	✓ Below Groun	
Screen: - (ft.) Riser:	1-1-1-1	erial: Page 1 of:	1
(11)			
DEPTH (FT) T-Y P-E SAMPLE NUMBER (E-) SAMPLE DEPTH ON-SITE SCREENING	RECOVERY PID (Ppm) PID (Ppm)	SOIF OF OF ONE OF THE SOIF OF	WELL DATA
CONSITE 5 TO	1.9 0.0 Fine SAND, poor-1005. 2.0 No gravel, dry, loos. light brows.	y graded, 5% fine, so 10/15/2: of. SP P	2/21
3		1, 5% fives, 50 7/9/10 5, Med. 10052, 50 7/9/10 12415h b. 2001, 5P	WELL INSTALLED
16 - CHRITE TO 178 18 18 18 18 18 18 18 18 18 18 18 18 18	† 	bys (Not Refusal)	2
20			
		ABB Environmenta	I Services, Inc.

	SOIL	BORIN	IG LO	G				dy Area: ing No.:	ACC 57]
	Client:	LSAEC		*, *	- : : .	Project No. 09 144-02			57M-95 Modified		+
	Contracto			R Dat	e Sta		Cor	npleted:	9/21/95		1
		11.5. F			ing S		PIN	vleter: (DVM 580) A TE#10](
ļ	Ground E	lev.:		Soil	Drille	d: 30 FEET	Tot	al Depth:	30 FEE	T] `
	Logged by	v: G.G		<u> </u>	cked		¥			1.3 FEET	
ļ	Screen:	10 (ft.)	Riser:	19/bas	(ft.)	Diam: 4" (ID) Material: School 10	Pag	ge <u>2</u>	of: 2	······································	_
l		(B) BU	(2		Gm Gm					
١		ВЕЯ	F H								
	E	SAMPLE NUMBER	SAMPLE DEPTH	# AE	_			CLASS		ATA	
	реетн (FT)	MPLE	MPLE	RECOVERY	PID (ppm)			긜	\. 0 \n	WELL DATA	
	8	SA	8 8	5 2		SOIL/ROCK/DISCHARGE WATER DESCRIPTION		S 10	5 6 7 6 7 7 6 7 7 6 7 7 6 1 7 1 1 1 1 1 1		
	, =		20-22	1.5		@20-22'- See Above Description. mo @ bottom	oist	SP		5 7	
	22					·				10	
		O				@ 22 - 24' - Cmf SAND, poorly graded, we Olive brown, subrounded	ct, loose,	5ρ		5	
		BX57-	22-24	1.6		Olive Brown, Subrounded				5 4	
	24					@24.26'. See Above Description		SP		2 3	
	· =		24.26	1.5		be the period of]			5	
	26-			1.5		@Z6'-28' - Cmf SAND, poorly graded, 2	4 50.			2	
	, =		26-28	1.4		gravel, wet, v. loose, olive brow	n, :	5P 💾		2 2	
	28 —					Subrounded '		3		<u>_</u>	
						@ 28-30' - See Above Descript	ion l	SP		2	
	۵. 🗆		28-30	1.2		250 20 1,1211 2 10 17				3	`
	30 —					END OF BORING@ 30 FEET	_				
	, =					302110 5 30138	'				
İ	32 —										
	\exists										
	34 —										
	,					·				·	
	٦, ٦										
	36 —	•		-							
	\exists										
	38 —										
	40				<u> </u>						
				·		•		,			
								•		,	

and 35-50%

PROPORTIONS				
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(-) AMOUNT (+)

ABBREVIATIONS

Trace (tr) Little (II)

0-10%

10-20%

Some (so) 20-35% and

35-50%

gr = gray

MS = Split Spoon

m = medium bn = brown

c = coarse bik = black

BW = Screened Auger HP = Hydropunch

3	SOIL BORING LOG							Boring No.:		<u>ت ب</u> المارية	
	Client: USATHAMA						Project No. 9144-02	Boring No.: $5+M-9<-53$ Y Protection:			
Contractor: D.L. MAHER					152	Date	Started: 10-3-9.5	Completed: 10-3-95			
1	,							PI Meter: 7			
Ī		round Elev.: Soil Drilled: 18 FT.								8=	
I	Logged t	 ру:	4	iM			cked by:	₩ Below			
Ì	Screen:				er:		ft.) Diam: 4" (ID) Material: School 40	Page (Z	
ı			$\overline{}$		•	, , ,					
		EB	SAMPLE DEPTH(P)	ច្ន	F				•		2
l	6	UMB	EPTI	ENIN	<u>*</u>		83		×	≽ <u>-</u>	Ä.
١	F)	LEN	LED	CRE	ven	pm)	CLAS	•	. DAT), OG	ATIO
	ОЕРТН (FT)	SAMPLE NUMBER	AMF.	CLP/SCREENING	яесоvеяу $(arphi_{\arphi_{\etrickilith \eta}}}}}}}}}} (\verticktop \end{\pi}) \end{\pi} \tag{\pi_{\alpha}\tau} \tag{\pi_{\alpha}\tau} \tag{\alpha}\tau \tag{\alpha}\tau \tag{\alpha}\ta$	PID (ppm)	SOIL/ROCK DESCRIPTION	BLOWS/6-IN.	WELL DATA	LITHOLOGY	ELEVATION (FT.)
	0	(,		0			Sity F, SAND, well graded es				
	_		0-2		1.4	Q.D	c sand, 30% in Sand, 30% sill, SA	1 2 4 8 13			
	>						c son, 30% in said 30% sill, sa nomplistic, liose, dry, binam.				<u></u>
5	-		2-4		ا. ک	0.0	Sity & SAND, well graded, 10% & gravel, 2%, or sand, 20%, in sa sand, 30% sith nomplastic, loss, dry owner.	11 9 14 10			
							sound and some worked as frage	1	.		
7	 با						dill Jamms				
	1 _		4-6		1.9	0.0	TOPULY: Gravely, STIM F. SAND,	4 9 15 14			
ž							well graded, 10% be graded to 12 max, 5% f gravel, 5%	,			
							160 CSAMI 15-20 16 SAMA,				
	_						30% onthe man poistic loose,				
7							BOTTOM US Silty & SAND,				
							moderately gride, 20% sit, si				
							rimplastyd, & linse, odunp,				<u> </u>
	Ψ <u> </u>						yellowsh tan.				
			6-8		1.8	0.0	Silh, & SAND, moderately graded, so	1 4 7 2 7			
١							10-65% solf, nimplaished loose, but				
	8 =	-	3-10		1-12	0.0	City C 2 4 SANO Wall consider	5 7 8 6			Ė
			2-10		1-19		1000 sitt, remplishe, lose, mist, 5				
							Stainline (nust) thin Laint				_
				æ		-9	bunizations visible.	6	-		
	10	ō	10-12		1.6	4.2	Silhy & SAND 20% msand,	5 6 5 8			F
		510310					1570 silt, monplastic, look, savurated s.				F
		MX S					light graypsh town, very strong				
	_	Ž.					postaleium oder.				F ·
	,, =										E
	PRO	POR	ΠON	s	(-) A	MOU	VT (+) ABBREVIATIONS				
1	Trace	e (tr)			0-10	%	f = fine gr = gray MS = Spli				
1	Little Som:	(II) e (so)	·)		10-2 20-3		m = medium bn = brown BW = Scr c = coarse bik = black HP = Hyd	eened Auger ropunch			
	and	,50,			35-5			•			
1											

SOIL BORING LOG	the state of the s	Study Area: And 57 Boring No.: 51M - 95 - Office A
Client: USAEC	Project No. CA144 - 0Z	Protection: MCDIFIED D
Contractor: D.L. MHHEIZ Date Star		Completed: 10/4/95
Method: 1.5. A Casing Si		PI Meter: 580 A TE#16
Ground Elev.: Soil Drille		T-1-1 D11-
Logged by: (4 Guiser Checked		
TO CALCADO CALL	· · · · · · · · · · · · · · · · · · ·	Page \ of: \
Logged by: (J. Checked Screen: 10 (ft.) Riser: 4 (ft.) Sample Depth Recovery Recovery Recovery	by: Diam: 4 (ID) Material: PVC SOIL/ROCK/DISCHARGE WATER DESCRIPTION Top C. 5 Foot - Sancly, Organic SILT,	Below Ground: 2 FEET Page 1 of: 1 VSCIT, SP y gradet O4 B
		·
		ADD Environmental Control Inc
9312005S L7		-ABB Environmental Services, Inc.

dient: USAEC	. MAHER			Protection: MODIFIED D Completed: ID 3 95
lethod: H.S.A		Casing	- V 3/2/3 (2)	PI Meter: 580A TS # 16
round Elev.:	(4. 11.112=1	Soil Dri	<u> </u>	Total Depth: 32 FEET ✓ Below Ground: 2 FEET
creen: 10 (ft.			······································	Page of: 2
	7 1	21 (16)	(III) Indicate: PVC	1 . 430 1 01. 1
DEPTH (FT) SAMPLE NUMBER	SAMPLE DEPTH ON-SITE SCREENING	RECOVERY PID (ppm)	SOIL/ROCK/DISCHARGE WATER DESCRIPTION	SOIL CLASS
,	0-2	0.5 0. (Ba	us low plasticity, damp, very loose, yellow	and of sp
BX57 0402	2-4	1.6 0.	Top 8.4 ft. mf sandy SILT, poorly graded, 25- SAND, low plasticity, maist, yery loose dr	30% mf brown 4 5-12 16
, =	5-7	2.0 0.	brown, Silbrown ded	rowel, SP
8			Cuttings dk. gray SAND Cuttings to yellowish brown SA	
2-	10-12	1.5 8.2		Net; SP 9 15 18
4	15-	2.0 0.	Cuttings as above 2 See Above Description - Some fin	ne SP
8 -			Cultings as Above	344 32.

SOIL BORING LOG		Study Area: ACC 57 Boring No.: 57 m - 95 - 04 8
Client: USAEC	Project No. C9144-02	Protection: MCDIFIED D
Contractor: D.L. MAHER	Date Started: 10 3 95	Completed: 10 3 95
Method: H.S.A.	Casing Size: (o" steel (Gm)	PI Meter: 580A TEILIO
Ground Elev.:	Soil Drilled: 30 FEET	Total Depth: 32 FEET
Logged by: G. GULSETH	Checked by:	Below Ground: 2 FEET
Screen: 10 (ft.) Riser: 7	i (ft.) Diam: 4 (ID) Material: PVC	Page 2 of: Z
SAMPLE NUMBER 52 5 5 SAMPLE DEPTH ON-SITE SCREENING	SOILARCENDISCHARGE WATER DESCRIPTIO Conf Sand, poorly graded, 5-10% fine gravel, wet, very loose, yellowish be subangular. Cuttings As Above	SOIL CLASS WELL DATA
26	1.0 0.2 cmf SAND, poorly graded (finer than above loose, yellowish brown, subangular Cuttings As Above), wet. SP
30 - 30 - 30 - 32 - 32 - 32	1.3 0.2 See Above Description	SP 3 3 3 5
34 — 34 — 38 — 38 — 40	END OF BORING @ 32 FEE	

SOIL BORING LOG	Study Area: AOC 57					
	Boring No.: 57M - 95-05X					
Client: USATHAMA Project No. 9144-02	Protection:					
Contractor: D. L. MAHEZ Date Started: 10-3-95	Completed: 19-3-45					
Method: 6 1/2 "(ID) HSAs Casing Size: 6" stee!	PI Meter: TE 580 3 OVM					
Ground Elev.: Soil Drilled: ZO	Total Depth: 201					
Logged by: S. Montomity Checked by:	☑ Below Ground: 13,21					
Screen: 10 (ft.) Riser: 10+25(ft.) Diam: 4" (ID) Material: Schoding 40	Page of:					
Screen: 10 (ft.) Hiser: 10+25(ft.) Diam: 4" (1D) Material: Schooling 40 (L) Hiser: 10+25(ft.) Diam: 4" (1D) Material: Schooling 40 Solution: 4" (1D) Material: 50 Solution: 5" (1D) Mater	MELL DATA WELL DATA					
PROPORTIONS (-) AMOUNT (+) ABBREVIATIONS Trace (tr) 0-10% f = fine gr = gray MS = Split Little (II) 10-20% m = medium bn = brown BW = Scra Some (so) 20-35% c = carsa blk = black HP = Hydr and 35-50%	eened Auger					
АВ	BB Environmental Services, Inc					

SOIL BORING LOG		Study Area: AOC 57 Boring No.: 57 m - 95 - 06X
Client: USAEC	Project No. 09144-02	Protection: MoDIFIED D
Contractor: D.L. MAHER	Date Started: 1014 95	Completed: 1014195
Method: H.S.A.	Casing Size:	PI Meter: 580 A TE#16
Ground Elev.:	Soil Drilled: 23 FEET	Total Depth: 23 FEET
	Checked by:	▼ Below Ground: >23 FEET
Logged by: G. Gulsch Screen: [O(ft.) Riser:]	. G7 (ft.) Diam: 4" (ID) Material. Schid. 40	Page I of: I
(girl) (gi	995 (34) (34)	
SAMPLE NUMBER SAMPLE OEPTH ON-SITE SCHEENING	SOIL/ROCK/DISCHARGE WATER DESCRIPTION	1 9
2 -	1.8 0.2 Top 1.4 feet- mf sity SAND, poorly graded ground clepth, 1090 organics, damp, loose, dork subrounded Bottom 0.4 feet- cmf SAND, poorly graded Sitt, damp, loose, dark yellowish by subrounded Note: Black layer ~ 1 inch thick @ 1.1 f no odor noted fine SAND, poorly graded, 10-1590 med; sand, damp, very loose, brownish yellowinded subrounded.	with SM 16 17 2d, 5% rown, SP 17 18 19 19 19 19 19 19 19 19 19 19 19 19 19
12	1.8 0.2 See Above Description. Sample is Net (I his feet bys) 38 some med Sard (2540) fine to medium SAND, poorly graded, we loose, brownish yellow, subjounded (I h	dium DP 6
18 - 20 - 20 - 20 - 25	1.8 0.2 loose, brownish yellow, subrounded (g. A. 1.8 0.2 fine sand, poorly graded, wet, very loose brown,	9
23	END OF BORING @ 23 fe	
		——ABB Environmental Services, Inc.——

TAPTH NOT 10 SCALE

SOIL BORING LOG	and the state of t	Study Area: ACC 57 Boring No.: 57 A. 0- 57 A.
Client: il S Arma Fração	rnmontal Center Project No. 9144-02	Boring No.: 57M-95-07X Protection: 7>
Contractor: D.L. Maker	Date Started: 10-5-95	Completed: 10-5-95
Method: 65/8"(ID) 45As		PI Meter: TE SECB OVM
Ground Elev.:	Soil Drilled: JU '	Total Depth:)4'
Logged by: S. Mantagman	 	Below Ground: 3.17'
Screen: 10 (ft.) Risery		Page \ of: Z
00100111 10 (11.) [11.0017.3	1.2 (1.1) 5 material.	1 1 31 /
DEPTH (FT) SAMPLE NUMBER SAMPLE DEPTH (FT)	SOIL/ROCK/DISCHARGE WATER DESCRIPTION	
2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	10% c sind, 15% f sand, 10% mul dense, wet, yellowish both 114 0.0 Sitty f to mSAND, well grad 20% c sand, 10% sitt, romp wed dense saturated, tan,	cose, SM pather astic, SM astic, SM astic, SM aned. gravel sw sw sw cod, Sw sw cod, Sw co
10		

TAPTH NOT 10 SCALE

SOIL BORING LOG Client: U.S. Arm. Environmental Center Project No. 9144-0 Contractor: D.L. Mahar Date Started: Window					ted: Winhard	Study Area: ACC 57 Boring No.: 57/11-95-78/A Protection: 7> Completed: 1/1 / G-
Method: (,)	18" (FO)) HSA=		sing Si Drille	ze: 6" steel	PI Meter: TE SEOB OVM Total Depth: 15
Logged by:		<u></u>				Total Depth: 15' Below Ground: 4.27'
					Diam: 4" (ID) Material. The and to	Page of:
ОЕРТН (FT)				し (wdd) Old		SOIL CLASS
	Y	¥			-refer to sail boring loc to adjacent mynitoring well start of littology	
	3.5.5.7 <i>8.40.4</i> -	BFS78407	1.9	0.0	Sity for an SAND, well grass 100/10 git, incomplastic, 100 se, substituted, town.	203) 25 5 7 5
					-refer to soil coning los for adjacent monitoring well 5711-95-088 for the 1996	
111111111111111111111111111111111111111					-Our split spean driven from 7-9 bgs — - Augus odvanced to 15	<i>b</i> :
					·	

TXPTH NOT 10 SCALE

The second second second		Study Aroa: ACC 57		
SOIL BORING LOG		Boring No.: 57M-95-08B		
Client: U.S. Arm Ervir	rnmontal Center Project No. 9144-02	Protection: 7>		
Contractor: D.L. Malker	Date Started: 10-6-75	Completed: <i>IC-ID-95</i>		
Method: 65/8 "(ID) HSA	Casing Size: 6" Steel	PI Meter: TE SEOB OVM		
Ground Elev.:	Sail Drilled: 30 '	Total Depth: 30'		
Logged by: S. Montagner	Checked by:	▼ Below Ground: 3.67'		
Screen: 10 (ft.) Riser;	6. (ft.) Diam: 4" (ID) Material: Schulle 40	Page of: 3		
Screeu: 10 (tt.) 11	SOIL ROCKUDISCHARGE WATER DESCRIPTION 1.3 0.0 Top 0.6: Sith f to m SAND raded, 5% c Isand, 30% sith losse, dump, dk. brown, organ, matter. 30ton 0.7: Sith f SAND, 5 Well graded, 5% of sand, 40%, silt, stiduty plastic, 100se, most to wet, dk. brown to bluce. 1.7 1-1 Top 1.1: Sith in SAND, well anded, 25% f sand, 15% silts Bottom 0.6: Sith f SAND we graded, 20% sitt, 100se, we olive tan. 1.5 0.0 Sith f SAND as in cotom of 02-4' interval, but saturated. 1.4 0.0 Sith f To m SAND well and 10% sitt cose, saturated. +	WELL DATA		

—ABB Environmental Services, Inc.-

Study Area: ACC 57

Study Area: ACC 57 **SOIL BORING LOG** Boring No.: 57M-95-08B Client: U.S. Arm., Environmental Center Project No. 9144-02 Protection: Contractor: D.L. Maher 10-6-75 Date Started: Completed: 10-10-95 Method: 65/6"(10) HSA Casing Size: PI Meter: TE SEOB OVM Total Depth: 30 ' Ground Elev .: Soil Drilled: Logged by: S. Montagner Checked by: Below Ground: 3-67 Screen: 10 (ft.) Riser; 18+ Diam: (ID) Material Schulle 4 (ft.) Page 3 of: SAMPLE DEPTH (FT ON-SITE SCREENING necoveny (f4-) SOIL/ROCK/DISCHARGE WATER DESCRIPTION Sity f to in SANA as in 22-24! intedual. Bottom O.Z is discolored rust-colored staining DEFE NOT 10 SOLE 1.3 0.0 Sith of SAND, moderately graded 1507 with live, saturated tan. Split sprous and augens advanced to 30 ft. bes

9312005S L7

SOIL BORING LOG	Study Area: Aoc 57					
Client: USACE Project No. 9144-08	Boring No.: 57M-96-09X Protection: Mad. 7					
Contractor: NHB Date Started: 8.27.96	Completed: 8.27.96					
Method: 4.25" HSA Casing Size:	PI Meter: TE STOB OUM					
Ground Elev.: Soil Drilled: 21.0 FT	Total Depth: 21.0 625					
Logged by: R.W. Coy Checked by: RRP	Below Ground: ~ 14.0 615					
Screen: 10 (ft.) Riser: 15 (ft.) Diam: 2" (ID) Material: PCC	Page of: 1					
5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5						
HERE	S) e					
	SLAS					
DEPTH (FT) SAMPLE NUMBER SAMPLE DEPTH ON SITE SCREENING RECOVERY PID (ppm.) PID (ppm.) OUTING PID (ppm.)	SOIL CLASS					
	Pines					
JONSITE TO 5 10.0 trace gravel, now-plastic, dry, lo	1052/ SM 7/8/5/4					
2 - 2 2 20 dark to light brown.						
4 31.1 f-m SAND, poorly graded, < 100% f.						
TONSITE TO SE 2:0 0.0 Non-plastic, dry, loose. Light bro	1001 - 5/5/5/11 N					
6 - 6 8 6	SW 5/5/11 SW SW					
	, or					
Tous DE TO S 1.3 P. SAND, poorly graded, "590 fines	205e, Sio 5/8/8/8 1. SP / / S/8					
O = CHSITE TO \$ 1.3 0.0 f. SAND, poorly graded, "590 fines non-plastic, dry to slightly damp, le	505e, 505/5/5/3 5					
Light brown to light reddish brown	SP //// 82					
14 - CHSITES 14 = 1.8,						
TSUCAT TO 2 OO SAME AS ABOVE, Meist to	C 12/12/14					
16 = 312e 16 \(\overline{\text{\$\text{\$\sigma}\$}}\) 2.0 SATURATED (\(\text{\$\ext{\$\ext{\$\ext{\$\text{\$\text{\$\text{\$\text{\$\text{\$\exititt{\$\ext{\$\ext{\$\ext{\$\ext{\$\exititt{\$\ext{\$\exititt{\$\exititt{\$\exititt{\$\exititt{\$\exititt{\$\exititt{\$\exititt{\$\exititt{\$\exititt{\$\exititt{\$\exititt{\$\exititt{\$\exititt{\$\exi\tititt{\$\exititt{\$\exititt{\$\exititt{\$\exititt{\$\exititt{\$\exiti	bgs sp					
	B					
19 \$ 1.3 f. SAND, V. poerly graded, 55% fines	55					
1 3 10NSITE \$ 170 2 12.0 U.U.						
WATER 21 10 Gravel, Med. 1002, non-plastic, stri						
30.3 = 21.0' bys (Not R	efusal)					
. /	•					
,	SOIL BORING LOG					
1	OJECT OPERATIONS PLAN					
	DEVENS, MASSACHUSETTS					
ABB Environmental Services, Inc.——						

COLL BORING LOC	Study Area: ACC 57
SOIL BORING LOG	Boring No.: 57/196 - 10X
Client: USAEC Project No. 9144-08	Protection: NO D
Contractor: Nr.13 Date Started: 8/50/46	Completed: 8 Bolos
Method: HSA 4.25 " Casing Size: 414" 15 7" 0.5.	PI Meter: TE SECR OVA
Ground Elev.: Soil Drilled: (3'	Total Depth: /3
Logged by: HX~ Checked by: RRTZ	Below Ground: ~5.5
	Page / of: /
	Page / of: /
	SOIL BORING LOG OJECT OPERATIONS PLAN DEVENS MASSACHUSETTS

FORT DEVENS, MASSACHUSETTS

SOIL BORING LOG		Study Area: ACC 57
Client: USAEC	Project No. 9/44.C8	Boring No.: 57/3 96 - 11X Protection: 1400 10
Contractor: ALR	Date Started: 9,44.00 8/30/96	Completed: 8/30/96
Method: 145-1 4/4 1.0.		Pl Meter: To 5808 OVA
Ground Elev.:	Soil Drilled: (2'	Total Depth: /2'
Logged by: 光メレ	Checked by: RRR	✓ Below Ground: ~2'
· · · · · · · · · · · · · · · · · · ·	2 (ft.) Diam: 2 (ID) Material: Pro	Page / of: /
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		
DEPTH (FT) SAMPLE NUMBER SAMPLE DEPTH ON-SITE SCREENING	HE COVERY (pp 3) 10 (pp 3)	SOIL CLASS
2	13' 0.4 NZEV. SILT FINE SAND (COSE, S.CTLZWIE	0 6688
	END OF CORNE AT 12' BLS SCREELD WELL 2-12' SAND 1/2-12' BE SENTE CI-13'	Sm) - 12
		SOIL BORING LOG OJECT OPERATIONS PLAN DEVENS, MASSACHUSETTS

: 57M-96 - 12x 1500: 17 : 8/29/96 TE 64MB 5808 OVA h: 12' v Ground: ~ 2 FT. af: 1
: 8/29/96 TE 64778 5808 OUR h: 12' v Ground: ~ 2 FT.
TE GIMB SECTION $12'$ v Ground: ~ 2 FT.
h: /2' v Ground: ~ 2 FT.
WELL DATA
OIL BORING LOG

SOIL BORING LOG	Study Area: Aoc 5-7
	Boring No.: 5-74-96-13x
	Protection: MCO D Completed: 8/29/96
Contractor: NHB Date Started: 8/29/46	9,00,70
Method: 4.25 ASA Casing Size:	PI Meter: TE 5808 OLA
Ground Elev.: Soil Drilled: 12.0'	Total Depth: 121
Logged by: JIKW Checked by: RRR	Below Ground: 2.5
Screen: 10 (ft.) Riser: 5 (ft.) Diam: 2" (ID) Material: Purc	Page / of: /
	Page / of: / Soll CLASS Soll CLASS Soll CLASS Soll CLASS AMELL DATA
	SOIL BORING LOG OJECT OPERATIONS PLAN
FORT I	DEVENS, MASSACHUSETTS

TYPH NOT TO SCALE

	SOIL BORING LOG	Study Area: ACC 57
j	Mind Carlotter Carlotter	Boring No.: 57P-95-01A, -01B MMONTAL Center Project No. 9144-02 Protection: D
Ì	Contractor: D.L. Maker	Date Started: 10-11-95 Completed: 10-11-95
ľ	Method: (5/8"(DD) HSA	
	Ground Elev.:	Soil Drilled: 15' Total Depth 15 FT: 17 FT:
	Logged by: S. Maragman	
ı	Screen: 5+5ft.) Riser;10	
	•	(+)'
	DEPTH (FT) SAMPLE NUMBER SAMPLE DEPTH (FT) ON SITE SCREENING	PID (ppm) VOIL CLASS SOIL CLASS WELL DATA
	DEPTH (FT) SAMPLE NU SAMPLE DE	PID (ppm) PID (ppm) SOIL CLASS SOIL CLASS
1710 COI TOW WITH	S0104544	1.2 0.0 Sitty f to m SAND well graded, 2% of gavel, 16% c Sard, 10% sitt gavel, 10% to gavel, 10 of interval. rust- colored staining in bottom 3". 1.7 0.0 Sitty f to m SAND, well graded, 10-15% git, nonplastic, 1008, Saturated, tan. Decaying root (14" thick) at 1.2" floor bottom of interval. Bust-colored staining in bottom 0.2". 1.5 0.0 Sitty f to m SAND, well graded, 5-10% c Sard, 20% silt nonplasic medium dense, saturated, tan, micaceous (10% medium to cause Sard singed fakes of muscovite).
	I IS'	1.4 0.0 Sitty m SAND, well graded, 2% \$ 7 10 12 14 frank, 10-15% self nonobestic } medium sense saturated tan
	17	-Augers advanced to 15 #1.
		ABB Environmental Services, Inc.

Site:	SCALE 1" = 5	FT.	P P (->x 1 2 00	Crew Members: 1. Jake Jacob 2. Tim 51a 3. 4. 165-x 20 by gran	exaliclater of pople ont: N Y N N
9312005S L 2				ABB Environme	ental Services, Inc.———

	130C-57		Norti	, h	المن	(Sime i	ج <u>ن</u> ج	jouls	Sill	2 4 5
SKETCH MAI	P OF TEST PIT PRO	OFILE	- granely som	i	1 i		V	was	-	ين لمح المر	-k
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نه می ایو سریه مسدد.	1 / 1/3	2012	- 30	- has	The					-	. `
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		, ,,	edion sand reddish t panely \$P	ت ا اد	y'n't	hese!					برا
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CALE 1" = EPTH (FT)	<u> 5</u> FT. マ ダゲ	125 1 is w									
ES:						T		Depth	на	SP. VOA	7
5	omples col	leited			no.		Number	(Ft.)	۾.	PM Aral	1377°
					S-1	1.EX5	フロバひご	0-11	Cin.	-51te	4
	& Fre	17 3515	-ing - 0-1	<u> </u>					00	-51+2	1
	\$ Fre	12 36722	651	*	S-2 S-3	Ex5	70102 57010ê	ر: چ`	000	-51 +2 51 +241	4
	A fre.		1 6 5 1 9 9 9 1	<u>.</u> * ≥	S-2 S-3 S-4 S-5	Ex5	70102	ر: چ`	000	-51+2	444
	A fre.	12 Screw	1 6 5 1 9 9 9 9 9 9 9 9 9 8 9 9 9 9 9 9 9 9 9 9	<u>'</u> *	S-2 S-3 S-4 S-5 3-6 3-7	Ex5	70102 57010ê	ر: چ`	000	-51 +2 51 +241	
	# Fre.	-Site Lab	651 951 65	三 アニーキ	S-2 S-3 S-4 S-5 3-6	Ex5	70102 57010ê	ر: چ`	000	-51 +2 51 +241	
	# Fre.		651 951 65	三 アニーキ	S-2 S-3 S-4 S-5 3-6 3-7	Ex5	70102 57010ê	ر: چ`	000	-51 +2 51 +241	
	\$ \$12.°	-5: te Lab	6 5 N 9 9 S 9 - 6 9	三 アニーキ	S-2 S-3 S-4 S-5 3-6 3-7	E X 5	70102 570106 70109	∠ ; ⊗' ⟨⟨'	01 01 01	-51 +2 51 +24 -27+2	
	27 C	-Site Lab	6 5 N 9 9 S 9 - 6 9	ユニュミドーー	S-2 S-3 S-4 S-5 3-6 3-7	E X 5	70102 570106 70109	∠ ; ⊗' ⟨⟨'	01 01 01	-51 +2 51 +241	
	276 \$ 776 \$	-Site Lab adalion Serani- Ital Gra	6 5 4 9 50 - 65	ユニュミドーー	S-2 S-3 S-4 S-5 3-6 3-7 S-8	EX3	70102 570106 70109	<u>ر</u> فر مر	000 000 000	-5; +2 5; +2 4 -<: +2 -<: +2) de
	276 K	-Site Lab	9 50-Ph 9 50-Ph 1 derk 5 50- 1 thick at	ユニュミドーー	S-2 S-3 S-4 S-5 3-6 3-7 S-8	EX3	70102 570106 70109 3~109 E: FIELD	ر فر' مر' BOOK,	(J.)	-51 +2 51 +2 4 -21 +2 01) exte) de
	276 K	-Site Lab	651 951 - 65 - 65 - 65	ユニュミドーー	S-2 S-3 S-4 S-5 3-6 3-7 S-8	EX 5	70102 570106 - フェ109 - よいないの - ATTA	ر پر پر BOOK,	On O	-5; +2 5; +2 4 -<: +2 -<: +2) de
	276 K	-Site Lab	9 50-Ph 9 50-Ph 1 derk 5 50- 1 thick at	ユニュミドーー	S-2 S-3 S-4 S-5 3-6 3-7 S-8	EX 5	70102 570106 70109 3~109 E: FIELD	ر پر پر BOOK,	On O	-51 +2 51 +2 4 -21 +2 01) exte) de
	276 K	-Site Lab	9 50-Ph 9 50-Ph 1 derk 500- 1 fhick at	ユニュミドーー	S-2 S-3 S-4 S-5 3-6 3-7 S-8	EX 5	70102 570106 - フェ109 - よいないの - ATTA	ر پر پر BOOK,	On O	-51 +2 51 +2 4 -21 +2 01) exte) de
	276 K	-Site Lab	9 50-Ph 9 50-Ph 1 derk 500- 1 fhick at	ユニュミドーー	S-2 S-3 S-4 S-5 3-6 3-7 S-8	EX 5	70102 570106 - フェ109 - よいないの - ATTA	ر پر پر BOOK,	On O	-51 +2 51 +2 4 -21 +2 01) exte) de

TEST PIT RECORD

		SI PII RECURD	
Site:	A0C 57	_ Client: _AEC	Project No.: 9144-02 1 of 2
Test Pit	57E-9,5-02X	— Date — (F	14:10 End 14:40
Coordinat	es		(1)
	SKETCH MAP OF TEST PIT SITE	1400 to	D/
	1 6 2	-Barnur	Crew Members:
†	30.7	30 7	1. Jake Jacobson (ABB-ES
	108 4 Edg.	Control of the contro	2. Tim Slager (ENPRO)
N	A A A A A	000	3.
	AP W AP	prox Sp	
	15/1279	7 5 20 20 20 20 20 20 20 20 20 20 20 20 20	4.
	traich	- 5 m 2 5 0	5.
ENÍW)	to 105	27	6.
~		220	Monitor Equipment:
	SCALE 1" = /0'FT.	الم	PI Meter Explosive Gas Avail. Oxygen OVA
NOTES:		غ.لاندرۇ [.] 	Explosive Gas Avail. Oxygen OVA Other
	13 (")		Other
<u>_</u>	1D = 6" level = Buckers	<u> </u>	
			Photogoraphs, Roll
			Exposure
		·.	ABB Environmental Services, Inc.

SKETCH MAP	57	to grand	some sad	bion-s	- Dark b	رغوط دعم	(top 411) 5. Ity sod lens tod" thick
7	18"	912~1	1 300 d red	dishor	المدال مرسى	abra ,	Long
	·	÷		ـنډ) ن ق	ple illected): 57	`	105
	İ		13:35		→		exca
CALE 1" = EPTH (FT) ES:	5' FT. V 10 St. - 5,10 Sc.		1' notize===	no.	Sample Number	Depth (Ft.)	HD.SP.VOA
	076-51/2	Sungles	5' 10' 6'3' 5'	S-1 S-2 S-3 S-4 S-5 S-6	EX570200 EX570205 EX570210	6"	on-site + off-s;
	(bradat)	77-	<u>.5</u> '	- 3.7 - 8.8			
		Bustyno		_	diago	1.0	collected &
D=12 h	hrown to bl 3" thick.	suk oiltu In one	Seid 18-23	-	ERENCE: FIELD	ВООК,	
	lars euro chowest esta ere notab	in to a m	est checiou	SIGN <u>د</u>) ۶۵۶۴	NATURE:	<u>200</u>	Language Warning

TEST PIT RECORD

	A 0 4	1EST PH R		10f2
Site: Test Pit	AOC 57 576-95-0			Project No.: <u>4144-02</u> 1 of 2
Coordina				
		(W) = M	m @-31	7-42-024
1	SKETCH MAP OF TEST F	PIT SITE		l
A	en Can have	八石堂	A so	Crew Members:
	0200		÷ &	1. dake Jacobson (ABB-E)
			Approx 230 to Brown, Read	2. Tin Slager (ENPRG)
Ņ		Approx 3d to	See Co	3.
		Row of bushes	λρ	4.
	, v		j.	
] [,				5.
WND		Approx.		6.
₩		pared action Rd		Monitor Equipment:
	SCALE 1" = 102 NO T	. FT.		PI Meter Explosive Gas Avail. Oxygen Y N
NOTES:	Roj	<u></u> ,		Avail. Oxygen
	oils excased	1 in 3 11875		Other Y N
	-d stockpiled	reperatily		
	1-547			Photogoraphs, Roll Nanz
	5-10 94			Exposure
- John P.	contractor stee			- Lxposure
	after test pil			
	This was the 1	ast test pit		
	excavated a	9-18-95		
			···	
		7/11/2		
				•

		EST PIT RECOR						
ofile Along Test Pit: —	57E-95-	03×					2	of :
e: <u>ACC 57</u>								
North	Wall (sam	le als South	اسا	(liv				
SKETCH MAP OF TEST PIT P	ROFILE							
		- 42	ರ್ಚ⊹				1.4	
18" J	1:37	brown sort	-7 Fee 5	الايار (الايامة الايارانياسة	ا جن قع علی م	1 كاأون 	6"-12"31	سرح
417-61			••			· · ·		-
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black		,		,				
gravely send		100 g	reows					
नु न्युक्ति		164	610	ا بسم	i	c acel	व वाद्यांत	
						J	Beite	
							Trench	
		1 - 2					101	ا مرمط
	15 10 frans	hy 5	\rightarrow					ij
	70200	,						
					•		<u> </u>	
CALE 1" = 5 FT. DEPTH (FT). 10'	vestical (>	100 July 1":	4')					
TES:				T	N	Depth	I HD. SP. VOA	\neg
	mple - 5		no.	ļ	Number	(Ft.)	PPM A-4	7
(r)	adahin 5		S-1 + S-2		C300	2'	07-5,12	_
			S-3	EX37	<u>১३০১</u> ১ ३ ১১	57	07-5, te; of	53
Ch-5.4x	<u>5 an pre 0</u>	<u>-1'</u>	S-4 S-5	5×57		101	07->110	
	5	· ·······	3-8	-				_
	10		3-7 S-8					
	* 2	ا روا المراج	<u> </u>	ļ				4
		* 5 lacelesse	,					\dashv
			L	<u> </u>		<u> </u>	<u> </u>	
Headspa	ie = Bouk	4,000			4 rag	۵ تد ۱۱ ه ت رد ۱۷ د د کر	عن الع و كا ي ح	
l		J	ÞEE	EDENIO	י כובו ה	800r	Da 2" 7	
			ncr	ERENCE	FIELD	BOOK,		
All sempling St	7~ 0-1 44	2022 34			ATTA	CHMEN	ITS M	<u> </u>
نعالعد عمره عدا معراه عدا			SIGN	NATURE	: <	2012.	- l	
30- 14 walls; 590					- · ·	11		
						-		

Site: <u>AOC 57</u> Client: <u>AEC</u> Test Pit <u>57E-95-1)4 X</u> Date <u>9-14-</u> Coordinates	Project No.: 9(44-02 1 of 2 - 95 Time 8:05 End 8:45
SKETCH MAP OF TEST PIT SITE Approx 75 Comin 1 in force Approx 75 Comin 1 in force Approx 75 Comin 1 in force Force SCALE 1" = None FT. Test Pit exchange in = 3 lifts and hunkfilled fills had to carpentine force O-1 St 1 - S St S - 12 St	Crew Members: 1. Jake Jacobson (ABB-ES) 2. Tin Slager (ENPRO) 3. 4. 5. 6. Monitor Equipment: PI Meter Explosive Gas Avail. Oxygen OVA Other Photogoraphs, Roll Exposure N Exposure N Exposure
	·
9312005S L 2	ABB Environmental Services, Inc.

TEST PIT RECORD

AOC 57	•	West	·wall	(A II)	~c <u>\</u> \5	similar)	
SKETCH MAP OF TEST PIT	PROFILE , , , ,					,	
			1			<u> </u>	_
	(A) dark	bows s.lk	sand	الما المحمد	3 to	6" cobbie	s
	B	Medium	Samo	; poorly	grad	26	
	RoHo	TOF Exis	vestro	. 12'	(ina)	hs begin	- - - -
ALE 1' = 5 FT. PTH (FT) 12' S: (A) 5: Ity sund Sinas w/ 5 damp; to		ed: 15-20%	no.	Sample Number	(Ft.)	HD. SP. VOA PPM 0-0,000	<u>.</u>
(07)4(15	ज्याच्या द्वापुर्वाद्य	(esots)	3-3 3-6 3-7				7
B) medium s minimal s light be	sime; demp Sime; demp	g graduli 1 loose, 1 with					
DUBLICATE At 5' For	eronge; 5 2 sample off-sile	p collected coalras		ERENCE: FIELD ATT. IATURE:	BOOK, ACHMEN	<u></u>	12) 2 -

TEST PIT RECORD	
	Project No.: 9144-02 1 of 2 - 95 Time 9:10 End 9:50
SKETCH MAP OF TEST PIT SITE Temp construction soll Strictpile Ferring STATE TO STATE Test Pit Trench approximately 15 St long t 13 Feet deep Sidewall's cared in. Could not dig much deeper true 13 St. Excarable in 3 11 Str O-1 St 1-6 St and 6-13 St. Backfilled tress 11 Sts to their respective [acations.	Crew Members: 1. Jake Jacobson (ABB-ES) 2. Tin Slager (ENPRO) 3. 4. 5. 6. Monitor Equipment: PI Meter Y N Explosive Gas Y N Avail. Oxygen Y N OVA Y N Other Photogoraphs, Roll Exposure None Exposure None Photogoraphs
	——ABB Environmental Services, Inc.——

ash layo SKET		57 bgs est pit pro	Eas	JV	van (ty	pical all a Grass	.215 24/15 24/15) }	Thin	(0.5" to layer of b	1" to
->		1-1%	A (A	V	silty sond	-		_ /			- Op 1
									n s Semana,		• • •
			R		madiu-	8076		poo	rly	a rada	7
			<u>.</u>			1.	347	610	ر د <i>د</i>		
							V				
		•			Baller	, 08	Pit	= 13	·		
SCALE	1'= 5	FT. `V	24110.	<u> </u>	"= L' Not	1807U		<u> </u>		<u> </u>	
DEPTH NOTES: -	(FT)	<u>, </u>					<u> </u>				
	(Å)			14	i :	no.	ļ	le Number	Depth (Ft.)	HD. SP. VO.	
	(A) Si	1 ty 50-	<u> </u>	: <u>}} 4*</u>	race fire	S-1 S-2 V S-3	EYS	70500 70506	6:	C. p.p.	
				1 .	1612 10050	·	A V	3705V	13"		
		ark bro	_	51 Ku	h - black	3-6 3-7					
	s.	trip abo	2-4 V."	61	· mrck						
	<u> </u>	some r	12 75 11 12 12 12 12 12 12 12 12 12 12 12 12	احن حد	sh. Conto	Aibs					
	BIM	edium	sand	<i>i f</i>	porly gr	deb		Gras	ei fal	, taken E	6
					moist;	REF	ERENC	E: FIELD	воок	Pg. <u>Pjs 23</u> -	9
			4 1		a publish				CHMEN	_	<u>, 10</u>
	<u> </u>	<u> </u>	· · · · · · · · · · · · · · · · · · ·		· · · · · · · · · · · · · · · · · · ·	SIGI	NATUR	-		Zacol.	·
	MS	1150) .Se_	mp1	e Gile	itad (<i>-</i>	6'1	2 NO	\	
	/			•							-

LEST FIT RECORD	the day with a proper to the control of the control
	Project No.: 9(44-02 1 of 2
	-95 Time 10:35 End 40: RDS
Coordinates Temp	
Contaminated Construction Ferring	1900
SOLL SKETCH MAP OF TEST PIT SITE	Crow Mambars
Stockpile Areas	Crew Members:
Salari A	1. Jake Jacobson (ABB-ES)
Elegator 7	2. Tim Slager (ENPRO)
N 60005 53 Aprior 13 44	3.
Fiz16 Za	4.
	5.
WIND GROWS AND STORY	6.
	Monitor Equipment:
Winds !	PI Meter N
SCALE 1" = NoneFT.	Explosive Gas Avail. Oxygen
NOTES:	OVA V N
Test pit Tranch approx 15 ft.	Other
lorg and 11 feet deep	·
Sidernals cased in at 10 to	
1164.	Photogoraphs, Roll — N~
Excavaled 17 2 1:54s	Exposure Note
0-15+ 1-651 0-8	
6-1157.	·
Backsilled back to their	
respective locations.	
100000000000000000000000000000000000000	
	·
	ADD Environmental Complete Inc

TEST PIT_RECORD	
Profile Along Test Pit: 57E-95-06X	
Site:	
East wall (west wall sinilar)	
SKETCH MAP OF TEST PIT PROFILE	Woods
(A) dark brown 5: 15: 5 5 0 0 1 .	
B biack silly some	
black Silty Some	
Some	
@ Medium sand) poorly gradel	
	ļ.
Tetton as Execusivan - 1187	
SCALE 1'= 5 FT. Neitical 1'= 1' noti =0-12	
NOTES:	Hab
(Ft.) PPM	
1"1 See 100 / S-2 EXSTOGOG 61 0.0 PP 2 0	
10052; dork hrown; 5M 5-4 5-4 6-25-70611 11 0.0 pp.	n-site
contains some roots. Modeled 30	
with blacker ashier soil so	

	no.	Sample Number	nebou	HD. SP. VOA	ı
	.,_,		(Ft.)	PPM	l
-	S-1	EX570600	0~11	0-0 000	١
•	S-2	EX570606	61	0.000	ļ
4	S-3	EX570611		0.0000	,
1	S-4			, , , , ,	
	S-5				
١	3-6				
	9-7				
	-3-3				
ļ					
Ì					
1			<u> </u>	<u> </u>	1

Collected @ O-1' orde (

REFERENCE: FIELD BOOK, Pg.

ATTACHMENTS

SIGNATURE:

	TEST PIT RECORD	
Test Pit - Coordinates	TEST PIT RECORD OC 57 STE-95-7X Date P-19- ETCH MAP OF TEST PIT SITE Emberkment Substitute Colored Col	Crew Members: 1. Jake Jacobson (ABB-ES) 2. Tim Slager (ENPRO) 3. 4. 5. 6. Monitor Equipment:
NOTES:	ALE 1" = None FT. est pit trency approximately it long. Excaunted to 75t. Lepts where ground water vas reached. Excavated in approximately 3 lists 0-35t; 45t-35t; and 5 to 75t. Backfilled back to train respective [socations	PI Meter Explosive Gas Avail. Oxygen OVA Other Photogoraphs, Roll Exposure
		——ABB Environmental Services, Inc.——

file Along T	est Pit: ー- <u>-</u> ム OC <u>ケフ</u>	7E-95-	<u> </u>						
A	JC 3 /			· .					
SKETCH MAD OF	TEST PIT PRO	EII E						•	
TEICH MAP OF	- IEST FIT FRO	rice					- A	T	
							1		
	Tro	e Postso	(A)						
#	151		(B)	 		.,,		/	
		<u>\bar{\bar{\bar{\bar{\bar{\bar{\bar{</u>	(C) (G	w. L	रवरे श	Leve	1 1		_ .
		· 							
									\dashv
					1				
	64		<u> </u>						
ALE 1" = as sl PTH (FT)	10M FFT.								
s:				no.	Sample	Number	Depth	HD, SP, VOA	
(<u>A</u> ;	5:11y 5000	>) well gra	sons grand	S-1		70700	(Ft.)	U.OCOPPO	_
	dimp;	very losse	रागा देलहे	S-2 S-3	EN5	70704	41	140 pg	5 0
	ひ なかひ	~ 5M		S-4	-		/_/_	33 /7	
(R)	Black	· 5:1+4 5	and ist	779 3:8					\exists
· · · · · · · · · · · · · · · · · · ·	१८८। ००	bor detikil	(c)	5-3					\dashv
									7
<u>(C)</u>	mediu-	n sord;	poorly		<u> </u>			<u> </u>	
	4 cales	moist i	o wet						
	Fuel	यदेश नहीं	ro white.	REF	ERENCE	: FIELD I	300K,	Pg. <u>[0</u>	9
				•		_	CHMEN	TS No	₩.
				SIGN	IATURE	: <u>(</u>	D!	Juch	> _
							0		

TEST PIT RECORD	an the state of the transfer of the state of
	Project No.: 9144-02 1 of 2
Test Pit Date Q = 20-	Time — End — To
Coordinates	
SKETCH MAP OF TEST PIT SITE	
embertant strung pile	Crew Members:
	1. Jako Jacobson (ABB-ES)
	2. Tim Slager (ENPRO)
$\frac{1}{2}$	3.
Approx Approx	4.
55\$}_ta	5.
Access Rd Test 5/E-95-C	タフメ 6.
(WIND)	
hay buses & sil besis, France	Monitor Equipment: PI Meter N
SCALE 1" = None FT.	Explosive Gas Y
NOTES: Test Pit trench approximately	OVA Y N
10 57 long and & ft deep to	
ganduater	Photogoraphs Boll - Non-
Exercited in 3 1.5ts	
C-154 1-544 01 5 to 654	Exposure
Soil backsilie to	
	•
	·
	——ABB Environmental Services, Inc.

e:	AOC 57	57E-95-							
SKETCH MA	P OF TEST PIT PF	Solve	ity. wall	(.So!	lay	ers i	similar o	rort
SKETOH MA	/ (Pofile ازون رکہ لاملیک عد	Tice = 2 by	br.	ite (d	ish) =1	3 6-35		
	õ	0=	(A)						
•			(8)	black	. ठ ह्यंट	nie la	425		
			1			77	سسبت د م		
			(0			7	<u>(</u>	•	6 h
	:								
					;	•			
SCALE 1" = DEPTH (FT)	5 FT.	vartical; 1	"=1' horize	274~\		<u> </u>		· · · · · · · · · · · · · · · · · · ·	
TES: (A)	Silty send	; well grad	sh: 15-20	no.	Sampl	e Number	Depth (Ft.)	HD. SP. VOA	
	fines w/ g	% grave v	o to about	CADS-1		70800	0-13	0.000	20
***	1"dimater j	م زمرته	ary bose;	(3) S-2 (3) S-3	1	70904 570606	61	¥ 0000	en
	durk brown	stones co	rad; 5M	5-4					
	soil contai	75 50MA 100	ts =	3-8					
	:	s (piece of	(1)	3.7 8.8	-				_
	dinner sic	.72)		-	-				
(R)									
		above (A) ca	. •			* 5	وايكراه	b ribes s	e fach
		appears to a		•					
	18 20 60	scrie mate	is interest	REF	ERENC	E: FIELD	воок,	Pg. <u> </u>	12
	10 ha 5 m	= (sticks to	400 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0			ATTA	CHMEN	its <u>~</u>	<u>u</u>
		oist; black		SIGN	NATUR	≣:	000	Promote.	,
	.,,	inately 1						00	
(2)	Mediun	50mg) 00	2011 970	4.1.					
	no chose	sombly po runble stras brown; s	· wet! 10	- ريان اران کوو					
)					

TEST PIT RECORD	
	C Project No.: 4144-021 of 2
	Time — End — 'O
Coordinates To Borner Read a 2000 17	·
SKETCHMAP OF TEST PIT SITE	
· · · · · · · · · · · · · · · · · · ·	Crew Members:
Approx to	1. Jako Jacobso- (ABB-ES)
embert of they believe s. Helings	1. 52.4 52.05-20-2 (7.55 2.5)
Approx to Approx to Approx to Consult of the state of	2. Tim Slager (ENPRO)
	3
Approx 1	oseet to store 4. Swale
200	
150 15	5. ·
WIND WOODS	6.
	Monitor Equipment:
	PI Meter Explosive Gas N
SCALE 1" = None FT.	Avail Ovygon
NOTES: Surface debris (green brilap)	OVA Y W
and sheet metal noted within 6 to 8	
teet or test pit	
	Photogoraphs, Roll
Test pit approximately	Exposure
10 ft long and 8 ft	
was entrartered	
	· ·
L	ABB Environmental Services Inc

•	g Test Pit: —— AOC 57							·	
SKETCH MA	P OF TEST PIT PR	OFILE	Typ	rcal a	ll walls	3			
			A	dock t	>00w 5;	ty so-	. ७ ८	4mp	
			(3)	1.954	5-2016	11750	b br	(4)	
			0	1	slack	01901	رة اد	yer	
			@			ماخى			feet
			1 ()		1	L	~	l	
ES: (A)	012) +48		 &	<u>(</u>	5.0	:1 typ	Depth	HD. SA	1
ES: A	5,71 5 5,71 5	condius at	8 (4) 11 grad	من ه	no. Sampl	e Number	Depth (Ft.) <i>O⊶(</i> ¹	991 0 99	<u>u</u>
ES: A	5,7/1, 5 5,7/1, 5 10-15% Fine: to about 1" <	condius con	8 (4) 11 grad Nogravel	~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~	no. Sampl	e Number	Depth (Ft.) <i>O⊶(</i> ¹	991	И
ES: A	5:11, 5 10-15% Fine: to chart 1" <	ond i was sup 5-10 sup sup sup sup sup sup sup sup sup sup	8 (4)) grad >>> gravel	20; W 20; W 20; V 20; V	no. Sample S-1 5 X S-2 5 X S-3 5 X S-3	e Number 5709(2) 70905	Depth (Ft.) <i>D</i> →(*	PPI ○ pp * 11	۷ مب <i>ن</i> م
ES: A	5:11, 5 10-15% Fine: to about 1" of 1005e; di	condius con	8 (4)) grad >> gravel comp; 1 1; sto- oms so	20; W	no. Sample S-1 15 X S-2 15 X S-3 15 X S-4 S-5	e Number 5709(2) 70905	Depth (Ft.) <i>D</i> →(*	PPI ○ pp * 11	۷ مب <i>ن</i> م
ES: A	5:11 5 10-15% Fine: to about 1" 1005e; d. round; roots, 6	ond; we su/5-10 dividu; o ork brow- sm; cont Approx	8 FN 1) grad Trgravel Long; 1; strans 1; strans 1; strans	20; W	no. Sampl S-1 EX S-2 EX S-3 EX S-3 S-4 S-3 S-4	e Number 5709(2) 70905	Depth (Ft.) <i>D</i> →(*	PPI ○ pp * 11	۷ مب <i>ن</i> م
ES: A	5:11, 5 10-15% Fine: to chart 1" 1005e; di round; round; Silty So	ond; we served to the served of the brownson to the served	8 (1) 1) grad togravel top; 1; sto- airs so	20; W	no. Sampl S-1 15 X S-2 15 X S-3 15 X S-4 S-5 S-5 S-7 S-7 S-8	e Number 5709(2) 70905	Depth (Ft.) <i>D</i> →(*	PPI ○ pp * 11	۷ مب <i>ن</i> م
ES: A	5:11, 5 10-15% Fine: to chart 1" 1005e; di round; round; Silty So	ond; we served to the served of the brownson to the served	8 (1) 1) grad togravel top; 1; sto- airs so	20; W	no. Sampl S-1 15 X S-2 15 X S-3 15 X S-4 S-5 S-5 S-7 S-7 S-8	e Number 5 709(2) 170905 170908	Depth (Ft.) のづい	PPP () PP	vi
ES: A	5:11, 5 10-15% Fine: to chart 1" 1005e; d. 1005e; d. 1007ts, 6 thick 1 5:1ty 50 10-15% 5	s w/ 5-10 S w/ 5-10 Sricolar; c ork brow- Sm; cont Approx oyer	8 (4) A) grade A) grade A) Story A) Grade	20 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	no. Sampl S-1 15 X S-2 15 X S-3 15 X S-	e Number 570902 70905 70908	Depth (Ft.) 5' 8'	PPP () PP () () () () () () () (ptic
ES: A	5:11, 5 10-15% Fine: to chart 1" 1005e; d. 1005e; d. 1007ts, 6 thick 1 5:1ty 50 10-15% 5	sup 5-10 Sup 5-10 Strongler; contic brown Sm;	8 (4) A) grade A) grade A) Story A) Grade	20 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	no. Sampl S-1 15 X S-2 15 X S-3 15 X S-	e Number 570905 770905	Depth (Ft.) 0-1' 5' 8' 640:	Pp	ptic
ES: A	5:11, 5 10-15% Fine: to chort 1" 1005e; d. 1006e; d. 100	suf 5-10 Simple of control Simple of control Approx and invall inval invall inval invall inval invall control c	8 (4) All grade Argravel Long: 1: 5tr- ains so I to IV: grade Very brown	20; 60 20; no. Sampl S-1 15 X S-2 15 X S-3 15 X S-	e Number 570905 770905	Depth (Ft.) 5' 8'	Pp	ptic	
(A)	5:11, 5 10-15% Fine to chort 1" 1005e; d. 1006e; d. 1006	s w/ 5-10 S w/ 5-10 Srowler; c orkibrow- Sm; cont Approx oyxi ins w/ 5 "dismalar; sa; light Sm cryci; /c by: 50	8 (1) 1) grad 20 gravel 1) 5 to- 1 to 1/2 20 grad 20 grad 10 grad 20 grad 10 20 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	no. Samples of the second seco	e Number 570905 770905 770906	Depth (Ft.) 5' 5' 5' CHMEN	Pp	ptic	
(A)	5:11, 5 10-15% Fine to chort 1" 1005e; d. 1006e; d. 1006	s w/ 5-10 S w/ 5-10 Srowler; c orkibrow- Sm; cont Approx oyxi ins w/ 5 "dismalar; sa; light Sm cryci; /c by: 50	8 (1) 1) grad 20 gravel 1) 5 to- 1 to 1/2 20 grad 20 grad 10 grad 20 grad 10 20 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	no. Samples of the second seco	e Number 570905 770905 770906	Depth (Ft.) 5' 5' 5' CHMEN	Pp	ptic	
(A)	Silly S 10-15% Fine: to chook 1" of 1005e; di round; round; round; round; round; thick I Silty So 10-15% S Up to 1/2 Very loo; round; Stack thick 5 cohes; 3 tron	suf 5-10 Simple of control Simple of control Approx and invall inval invall inval invall inval invall control c	S (1) Jorgeand	20 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	no. Sample S.1 EX S.2 EX S.3 EX S.4 S.3 EX S.4 S.3 EX S.4 S.3 EX S.4 S.3 EX S.4 S.3 EX S.4 S.3 EX S.4 S.3 EX S.4 S.3 EX S.4 S.3 EX S.4 S.3 EX S.4 S.4 S.4 S.4 S.4 S.4 S.4 S.4 S.4 S.4	e Number 570905 770905 770906	Depth (Ft.) 5' 5' 5' CHMEN	Pp	ptic

TEST PIT RECORD	
Site: AOC. 57 Client: AEC Test Pit 57E-95-16 Date 9-19- Coordinates	Project No.: 9144-02 1 of 2 - 95 Time 1400 End MY
SCALE I" = None FT. NOTES: Te't P, raio' Long and 3' wide excavated to io' before hote Storted to Collapse. Hole wie backfield Innectivity after 1075 ig.	Crew Members: Mike Lounsby 1. Jake Jambson (ABB-ES) 2. Tim Stager (ENPRO) 3. 4. 5. 6. Monitor Equipment: PI Meter Y N Explosive Gas Y N OVA Y N Other Photogoraphs, Roll Nove Sim Exposure Nove Sim
	ABB Environmental Services, Inc.

ə:		10C57	57E-9:			····					
		•				•	•			•	
SKE	ТСН МАР	OF TEST PIT PI	ROFILE								
		7		Bull		- i			······································	 	
		(opsoi	L- 13~0w.	1 54-	d 7					
	L	isht Br	sin/Ten	Suncl							
	B ~	own - A	oflim- (Time San	cl						
CALE	1" = 45	shown 30	<u>L</u>				L				
EPTH	(FT)	Lo									
ES:	<u> </u>	oit a.t	~ 11	1 00: 0		no.	Sample	Number	Depth	HD. SP. VOA	١
		est pet	3' hoids	2013 o	ri. 1	S-1	E×57	1000	(Ft.)	PEM	
	***	fu.	lo'be	Hora Si	cle	S-2 S-3	47571		9	0	
		Wil	!) in=e	Caus ?	 	S-4	2417	1010	73	٥	
		•		,		3-5 3-6					
)~ -	Durk	c Brown S	ilty Some	1 Dry-	Topsal	3.7	 				_
			site are							,	
	Cult	ectul				·					
7)	Tan	nection.	Fire Sun	d. ver	com for	、	<u> </u>				
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٤-,	Bro	un Meelin	~ - file S	ond, ver	emfe	1 1	ENENCE			,	
		- papa.		SAME	Collecto	d		ATTA	CHMEN	TS No	<u>e</u>
		,				SIGN	IATURE:				
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							***		= د خود خاوريد ريز د		
											•

TEST PIT RECORD	
Site: AOC 57 Client: AEC Test Pit 57E-95-11 Date 9-19- Coordinates SKETCH MAP OF TEST PIT SITE	Project No.: 9144-02 1 of 2 - 95 Time 131 End 134
SCALE 1" = None FT. NOTES: Test pita 8' Long and 3' wide excavated to 13' than hackfilled Immedially after Loggy	Crew Members: All Louish 1. Jan Jacobson (ABB-ES) 2. Tim Slager (ENPRO) 3. 4. 5. 6. Monitor Equipment: PI Meter Explosive Gas Avail. Oxygen OVA Other Photogoraphs, Roll Exposure None Gas Avail None Gas Avail None Gas Avail None Gas
	·
	ABB Environmental Services Inc

9312005S L 2

SKETCI	Н МАР	OF TEST PIT PF	OFILE		٠		•				
Dai	rl/	LAYO-									
		Tan	Meclium	Sand			:				
-					-						
CALE 15	- 45	SWOLMFT. &	Va Va								
EPTH (F	7)	13	<i>-</i>				T		l Doorts 1	1:D 07 V	
14	• <u>Sa</u>	nd-Modiu. 1-2 Foet 1	n- Fine - 1	ANGIC L	1316	no. S-1	E+5-	e Number	0epth (Ft.) 0-/	HD. SP. VC	
					!}\ !}\ !}\!	15.3		71106	12.12	<u> </u>	
D	<u>γυ - </u>	Vez unil	Com - DAM	Clium		3-5		•			
OAS	1	SANGLES WI		at eci	A	3-7 -5-3					
Loc	atiun	1 (sile SAM		blad				· ·		
	<u> </u>	71000									Stee
						REF	ERENC	E: FIELD		,g. (<u>J</u>	
						SIGN	ATURE			1	
					.		***** * .		···	<u> </u>	

Site: ACC 57 Client: AE Test Pit 57E-95-12X Date 9-20	C Project No.: 9144-0-2 of 2 2-95 Time 10:20 End 11:00
Coordinates SKETCH MAP OF TEST PIT SITE	
NOTES: Two paint cons located	Crew Members: 1. Jako Jacobson (ABB-ES) 2. Tim Slager (EMPRO) 3. 4. 5. 6. Monitor Equipment: PI Meter N Explosive Gas Y Avail. Oxygen Y OVA Other
on the surface approximately 10 feet from the sould mall of the test pit Test pit treat approximately 10 ft. long. Excavated to 13 ft. when noted	Photogoraphs, Roll Nove
seeping into two trench at the approximate BET leve backfilled Soil replaced into the trench within respective location from which it was excurated	

SKETCH MAP	OF TEST PIT PRO	FILE Typ	ical all m	«11s				,
			A	9	many b	17 50 d) }3	
			(B)	B	luck erg	سترام مع عنوا	Arc.	-
	fire to	خر	©	1	wa 725 5.	eaping i	act	
			Botton	, of Ex	cavalion	13,	mately 8.	*1
SCALE 1" =	5 FT. V	pedanto a	"= 1' horize	5 7 \$ A \	egyt 11c			
MOTES: S	: 1 ty sond: h ines by 5- 2 sy 10032	111 graded	10-15 % -2); dry	no. \$	Sample Number	(Ft.)	PPM C PP	Lo
	ry loose	tree roo	medium boots	W S-3 S-4 S-5	5	13'	(1.4 pp-	C^
	Black la			3-8 3-7 8-9 8-9				
	,		• • • •					
5	welador n	6 12 <u>1</u> 1	own in fren	(2)				
5	presive	ohesive; to fine so	very mois	اع اع	شرهار داخ	.ર € ૦	-1' ord &	41
5	Medium	ohesive; to fine so ij very i	Very Mois	ly REFER	C・Coi~ sia IENCE: FIELD	.ર € ૦	11-12 11-12	41
	Medium	ohesive; to fine so yellow:s	very mois	Is REFER	ند (۵٬۰ خ)خ ENCE: FIELD ATTA	BOOK, Pg.	11-12 11-12	41

TEST PIT RECORD	
Site: AOC 57 Client: AF	C Project No.: 9144-02 1 of 2
Test Pit 57E-95-13 X Date 9-20	F- 95 Time 13:50 End 14:30
Coordinates	
SKETCH MAP OF TEST PIK SITE	
SKETCH MAP OF TEST FAM SITE	Crew Members:
3	1. Jako Jacobson (ABB-ES)
	1
2	2. Tim Slager (ENPRO)
	3.
4	4.
9 1 11	5.
WIND STATE OF THE	6.
See plan for	Monitor Equipment:
SCALE 1" = None FT. 575-45-12X	Explosive Gas
NOTES:	Avail. Oxygen Y (1) OVA Y (1)
Test p.t approx 10 st long	Other
≈ 11 ft doep Soil backfilled into the trans	
with respective location	Photogoraphs, Roll
from which it come	
	Exposure
	e .
	ABB Environmental Services. Inc.

):	AOC 57	57E-95-	•				<u> </u>		
SKETCH MA	AP OF TEST PIT PI	ROFILE TJ	pical a	11 wal	2/				
			(A) d	er 4 210	···-				
			®						
			RoH	3-7 0-5	465	r pit	٦ //	\$ †	
A 5.	Ity sand; c	vertical; 1 demails called vell graded vell graded	;20 to 2	5% 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Sample EXS EXS	ay about 17/306 7/305 7/311	Depth (Ft.)	HD. SP. VOA PPM O.3 4 P O pp- O pp-	· 0.
B)	Approx 25' Mediva Mila depl	sond tuch	و ماطعط		. 1				
	consolidat	in spots V. who chunks and beau	in other	7 60	FERENC		BOOK, F		
	<u> </u>	uble blands		<u>×</u>	SNATURE Fau	: <i>6</i> 0	0 0	of organic	- ad
	/* = \	iater obs	2 (2)						Juctor.

Test Pit <u>57E-95-14 X</u> Date <u>9-20</u> . Coordinates ————————————————————————————————————	CProject No.: 9144-02 1 of 2 -95 Time 15:00 End 15:30
SKETCH MAP OF TEST PIT SITE COCALE 1" = Note FT. NOTES: Test pit & 10 \$1 long 6 \$1 deep why with bagen to powriz. At 212 feet below grade water was stating to Saap in	Crew Members: 1. Jaka Jacobson (ARB-ES) 2. Tin Slager (ENPRO) 3. 4. 5. 6. Monitor Equipment: PI Meter Synamical Nation System Synamical Nation System Synamical Nation System Synamical Nation System Synamical Nation System Synamical Nation System Synamical Nation System Synamical Nation System Synamical Nation System Synamical Nation System Synamical Nation System Synamical Nation System Synamical Nation System Synamical Nation System Synamical Nation System Synamical Nation System Synamical Nation System Synamical Nation System
	APP Continue and 100 a

SKETCH MAP	OF TEST PIT PRO	DFILE ·/ea	inte lo	up topsoi	1	
		·	(A)	meging	50-10	
•		26" layer	(3)	Blacker	inic layer	
	Me?	itum sind				
		V T	(C)	Botton	of Excavat	(0-7
		3			Pour - 9	egar
	5 FT. V	ingmater s	'= 1' horiz	61-917	- 5011 des.	ynalian
	ledium s			no. Samp	e Number Depth (Ft.)	HD. SP. VOA PPM
d	yellows	y 10052j	1 500	(3 S-2 EX	571404 0-18	00000
•	<u> </u>			S-4	571406 651	060-
$\overline{(B)}$	Blackor	goric las	jer (6"+1	3.7		
	susface	VSeptic	ton rebo	20 SS		
<u> </u>	Similar wet.	to (A) o	xcept	-		
				- REFERENC	E: FIELD BOOK, F	Pg. <u>14-15</u>
				•	ATTACHMEN"	rs Mre
				SIGNATUR	E: KEPS	-coly

ILSI FII NECORD	stray and the first
Test Pit	Project No.: 9144-0262 -95 Time 8:50 End 9:30
SKETCH MAP OF TEST PIT SITE SKETCH MAP OF TEST PIT SITE SCALE 1" = None FT. NOTES: Excanalet to 557 where ground wither and or ad there	Crew Members: 1. Jaka Jacobson (ARB-ES) 2. Tim Slager (EMPRO) 3. 4. 5. 6. Monitor Equipment: PI Meter N Explosive Gas Y OVA Y Other Photogoraphs, Roll
Soil backfilled into franch with respective roching sign which it was arcaveled	Exposure /U,-2
	ABB Environmental Services Inc.

·			Typica	alall	walls		
KETCH MAP	OF TEST PIT PRO	OFILE	V /				
			A		cour si		
			(3)	B	lack or	Janz	Tayer ons son
B	4 <	5 1000	(E)	,	7 1:9	6t 61	ON2 502
	049 6	touber03	, a				
		@ 55wt	t				

ALE 1" =	<u>5</u> FT. V	retical; 1	"=1' horiza	274~1	I		
· ·						Donth I	HD. SP. VOA
<u>(A)</u>	5:11y 5:3	15 -211 9 50 105 -/ 5-/ 105 -/ 5-/ 105 -/ 5/14/ 105 -/ 5/14/	1997	na.	Sample Number	(Ft.)	PPM
	3-15% };-	<u>us -/ 5-/</u>	Ogod Arel	A S-1 AS S-27	<u>Exs71500</u> Ex <i>571502</i>	0-1 st 25t	12 PPM
ರ	in the	very lo	ر بعد م	S-3 6	EX 571505		3.2 000
	3816 81860	3) 319 /	7a7 10015	S-5			
(B)	Rial la	per; fuel	adre so	3-8			
		0,0 - 70tad		· S 8 			
		•	1				
	Franch,	Layerisa	10 10 X1 1004	7			
		181 trees	•		* MS/MS	Dsom	of a collector
		le; soil va	4 1	٠,٠	Grai	~ 21.30	e collected
	·	appears to		REFER	RENCE: FIELD	BOOK, F	g. 16-1
0	rgeric rya	terial (dear	Jag imod)		ΔΤΤ	ACHMEN	rs Am.:
7.5			·			ΛΛ.	, <u>, , , , , , , , , , , , , , , , , , </u>
		a fire son	• • •	SIGNA	TURE:	- KD	Jacoh,
44		mx 1, 100	<u>ٽ ڙعڪ</u>				•
· ·	Irast brist	un to whi	le; SP				

SKETCH MAP OF TEST PIT SITE Crew Members: 1. Jaka Jacobson (ABB- 2. Tim Slager (EMPRO 3. 4. 5. 6. Monitor Equipment: PI Meter Explosive Gas Y DA Avail. Oxygen Y DO OVA Y DO Other Soil backsilled in girench Soil backsilled in girench Ston which is a greated and the continuation of the which is a greated and the continuation of the which is a greated and the continuation of the which is a greated and the continuation of the which is a greated and the continuation of the which is a greated and the continuation of the which is a greated and the continuation of the which is a greated and the continuation of the which is a greated and the continuation of the which is a greated and the continuation of the which is a greated and the continuation of t	Site: <u>AOC 57</u> Client: <u>AF</u> Test Pit <u>57E-95-16 x</u> Date <u>9-21</u> Coordinates	Project No.: 9144-0216 - 95 Time 10:05 End 10:3
	SCALE 1" = Note FT. NOTES: 10 10 10 10 10 10 10 1	1. Jako Jacobson (ARB- 2. Tim Slager (ENPRO 3. 4. 5. 6. Monitor Equipment: PI Meter D N Explosive Gas Y D OVA Y D OVA Y D Photogoraphs, Roll None Exposure

<i>_</i>	10657			N					
٠		Typical	, all wal	175					
SKETCH MAP	OF TEST PIT PRO	OFILE							
کم	16 50mm 5117 50	53	À						
	Blackarg	poric larger	(R)	Applox	6"	to 13	thick	*	
~	light bro	u- med 50	md (E)			77	R	Hen @	-1
	7		-		+	Ě	W	Har Lev	2
						*	52	Ping is	2 \$
						<u>-4'-</u>	$\frac{\nabla \cdot 1}{1}$	5025	
							We	र्थ ४५ हर्ग	Sace
			1	1					ľ
	1	1		1	1			1	
CALE 1* =	<u>5</u> ft. v	erticals 1	"=1' horiz	07/1			 		
PTH (FT).	2 Ft		"=1' horiz		;o:\ -	7 2km	•	1	
PTH (FT).	3 57 3 51/14 5% 5: 25;	5-103	vell gradei		Sample N		Depth	HD. SP. VOA	
EPTH (FT)	3 5+ 3 5:174 5% 5:-25;	5-107	vall gradui	no. S	Sample N	Number	Depth (Ft.)	HD. SP. VOA	
EPTH (FT)	3 5+ 3 5:174 5% 5:-25;	5-107	vall gradui	no. S	Sample N	Number	Depth (Ft.)	PPM)))
EPTH (FT)	3 5+ 3 5:174 5% 5:-25;	5-107	vall gradui	no. S	Sample N	Number	Depth (Ft.)	PPM O po -	
EPTH (FT)	3) 5:1ty 5% 5:25; to 3/4' gular; do	50-103 "to 1" a dry to do who brown	vell gradei	A) S-1 B B) S-2 E C) S-3 Z S-4 S-5	Sample N	Number	Depth (Ft.)	PPM O po -)))
EPTH (FT)	3 5+ 3 5:174 5% 5:-25;	50-103 "to 1" a dry to do who brown	vall gradui	no. S	Sample N	Number	Depth (Ft.)	РРМ О РО-)))
EPTH (FT)	3) 5:1ty 5% 5:25; to 3/4; gular; do	5-103 "to 1" bry to do wk brown	rell grades b gravel diameles up; ves	A S-1 E S-2 E S-3 Z S-4 S-5 S-5 S-6	Sample N	Number	Depth (Ft.)	РРМ О РО-)))
EPTH (FT)	Sity Silty Sich Sich Sich Sich Sich Sich Sich Sich	50-103 10 1" 2 10 1" 2 10 20 10 2	sell grades s gravel diameles mp; ves s SM;	A S-1 E S-2 E S-3 Z S-4 S-5 S-5 S-6	Sample N	Number	Depth (Ft.)	РРМ О РО-)))
EPTH (FT)	Silty Silty	sond; m 5-10? "to 1" bry to do rkbrown 15	stockpile	A S-1 E S-2 E S-3 Z S-4 S-5 S-5 S-6	Sample N	Number	Depth (Ft.)	РРМ О РО-)))
FTH (FT)	Silty Silty	sond; m 5-10? "to 1" bry to do rkbrown 15	stockpile	A S-1 E S-2 E S-3 Z S-4 S-5 S-5 S-6	Sample N	Vumber 116 000 1603 17605	Depth (Ft.) 0-1' 3' 5'	PPM Ο ρρ ν 7.8 ρρ 3.2 ρρ) 0 m 0
EPTH (FT)	Sity Silty S	sond; m 5-103 "to 1" bry to do rebrown to par from noist co-	stockpile	A S-1 E S-2 E S-3 Z S-4 S-5 S-5 S-6	Gample N	1603 1603 1603	Depth (Ft.) 0-1' 3' 5'	9PM 0 pp - 7.8 pp 3.2 pf) 0 m 0
EPTH (FT)	Sity Silty Sil	sond; m 5-10? The 1" Try to do The brown To The from The from The son from Th	stockpile	REFERE	Gample N	Vumber 1603 1603 7603 FIELD	Depth (Ft.) 0-1' 3' 5'	PPM Ο ρρ - 7.8 ρρ 3.2 ρρ	1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
EPTH (FT)	Sity Silty S	sond; m 5-10? To 1" Try to do rebrown son from noist con noist con	soll grader by gravel diameter mp; ver som; sol odos stockpile taining	REFERE	GANCE:	Vumber 1603 1603 7603 FIELD	Depth (Ft.) 0-1' 3' 5'	PPM Ο ρρ - 7.8 ρρ 3.2 ρρ	1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
EPTH (FT)	Sisty Significant Syn Fires; sond; m 5-103 "to 1" bry to do rebrown to por from noist con- noist con-	soll grader by gravel diameter mp; ver som; sol odos stockpile taining	REFERE	GANCE:	Vumber 1603 1603 7603 FIELD	Depth (Ft.) 0-1' 3' 5'	PPM Ο ρρ - 7.8 ρρ 3.2 ρρ	1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
EPTH (FT)	Sisty Significant Syn Fires; sond; m 5-107 to 1" lig to do rebrown por from noist con noist con noist con noist con	soll grader by gravel diameter mp; ver som; sol odos stockpile taining	REFERE	GANCE:	Vumber 1603 1603 7603 FIELD	Depth (Ft.) 0-1' 3' 5'	PPM Ο ρρ - 7.8 ρρ 3.2 ρρ	1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
(B)	Sity Silty Sil	sond; m 5-107 to 1" to 1" to 1" to 1" to to do to to do per ; for ports). ond; per loose; white; per base of	soll grader by gravel dianaler mp; ver soll odor stockpile taining fuel Sumple collected	REFERE	GANCE:	Vumber 1603 1603 7603 FIELD	Depth (Ft.) 0-1' 3' 5'	PPM Ο ρρ - 7.8 ρρ 3.2 ρρ	1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
(B)	Sity Silty Sil	sond; m 5-107 to 1" to 1" to 1" to 1" to to do to to do per ; for ports). ond; per loose; white; per base of	soll grader by gravel dianaler mp; ver soll odor stockpile taining fuel Sumple collected	REFERE	GANCE:	Vumber 1603 1603 7603 FIELD	Depth (Ft.) 0-1' 3' 5'	PPM Ο ρρ - 7.8 ρρ 3.2 ρρ	1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0

IEST FIT RECORD	Market Barrier and Market Barrier Barrier
Site: AOC 57 Client: AE	Project No.: 9144-02 1 of 2
Test Pit $57E-95-17X$ Date $9-21$	- 95 Time 11:00 End 11: YO
Coordinates ————————————————————————————————————	1
SKETCH MAP OF TEST PIT SITE	Crew Members:
N Acussos	1. Jako Jacobson (ABB-ES) 2. Tim Slager (ENPRO)
20' 57E-45-17X 250'	3. 4.
الله عبدار	5.
(MIND) 2(45) 07	6.
SCALE 1" = Nova FT. NOTES: Test pit approximately 10 ft long, Excavated to 055t where groundwater was	Monitor Equipment: PI Meter Explosive Gas Avail. Oxygen OVA Other
encontered.	Photogoraphs, Roll Now
	Exposure None

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·	ABB Environmental Services, Inc.

ofile Along To	est Pit:5	7E-95-	X,				4	of 2
e:A	0657							
		Nort	4 wall -	51-1	lasto 50	ンサケト	1911	
	TEST OF DOS	سر ₁₁						
SKETCH MAP OF	TEST PIT PHOE	łLE						
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			(C)				0590	
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CALE 1" =	5FT. V2	12: (120:47	-21 horiz	20741				
	<u> </u>							L
(A) S:11	: L.c.	Ozzil.	104 201	no.	Sample Numbe	Depth	HD. SP. VOA	٦.
3.11	y soud;	7 100	J. W.	(A) S-1	EX571700	(FL)	Oro PP	رن د
10	-30% Sines 152; dense	2 - L. V	tak lasawa	(3 S-2	EX571707	2 2	21.5 01	מטאוו
	\mathcal{M}	(0075 , 2	2019 310	\$ \frac{\$\frac{1}{5}\frac{3}{5}\frac{3}{5}\frac{1}{5}\frac{1}{3}\f		5 5	93.000	ست [حر
<u>~</u>				- 5-5	1			
(B) Bla	ek lanze	· < >	. (.)	_ 3-8				_
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Site: <u>AOC 57</u> Client: <u>AFC</u> Test Pit <u>57E-95-18 X</u> Date <u>9-21-</u> Coordinates	Project No.: 9144-62, 1 of 2 ~ 95 Time 13:00 End 13:30
SKETCH MAP OF TEST PIT SITE 57E-95-084. Applit Applit Grant State of Grant State	Crew Members: 1. Jaka Jacobson (ARB-ES) 2. Tin Slager (ENPRO) 3. 4. 5. 6. Monitor Equipment: PI Meter Y N Explosive Gas Y N OVA Other Y N Photogoraphs, Roll And Exposure Name Exposure Name Photogoraphs (Policy Control of the control of t
	ABB Environmental Services, Inc

9312005S L 2

Typical	<u>0C 57</u> S		- KK	*			
SKETCH MAP C	F TEST PIT PRO	OFILE	千二十	right regr	Jalia-		
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SCALE 1" = DEPTH (FT)	5 FT. V	ractical;	1"=1' hosi	20791		l	
DEPTH (FT)	3 57	-			soil type		
OTES:	ack layer	· & .	1 . \nc	— K no. Is	ample Number Dept	1	76
				A A S-1 6	(Ft.) -0 008173x	1, C) bb2	
	not to	No DID te	nic mater ading above	hk4 35-2 6	3571802 2	Copa	on.
	nedium to			- (333 / 3-4 /	77571803 21/2	-3 C) pp-	
	` `		- 1 7941 bre	3-5 The			7
			<i>/ /</i>	3.7			
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	gradub; V	ery wet;	10052		G191-5.28	co medad 6	୷ ଚ୍2
	light be	one for	whiter th	<u>~</u>	G14 1- 5.2		
	<u>(B)</u>	grain si	22 51-941	REFER	ENCE: FIELD BOO	K. Pg. 18	
	د م	isac thu	1 (B)		ATTACHM	ENTS Nove	_
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				SIGNA	TURE:		
		·	,		<i>V</i>		

Site: <u>AOC 57</u> Client: <u>AF</u> Test Pit <u>57E-95-19X</u> Date <u>9-21</u> Coordinates	C Project No.: 9144-621 of 2 -95 Time 14:00 End 14:30
SCALE 1" = Note FT. NOTES: Test pit approximately No Feed long. Excaval do to 3/2 feet where ground war was encounterd. Soil backfilled into french within respective location From which it was excavaled	Crew Members: 1. Jako Jacobson (ARB-its) 2. Tin Slager (ENPRO) 3. 4. 5. 6. Monitor Equipment: PI Meter Explosive Gas Avail. Oxygen OVA Other Photogoraphs, Roll Exposure None Photogoraphs, Roll Exposure
9312005S L 2	——ABB Environmental Services, Inc.——

TYP	ical all u	ualls		•		-		
•	OF TEST PIT PR							
	1-172	thick	(A) _	medbr	awy 5	1150	sons	\neg
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CALE 1" =	5 FT. \	rectical; 1	"=1' hosiza	27/11	11 4-10			
	3/2 57				31, 1)	- 1		ł
A) sil	ty sond;	za vlaced	aged	no. Sar	nple Number	Depth (Ft.)	HD. SP. VOA PPM	7
20-	25% Sires	i very dr	y (dusty)		¥57)900	0-1'	() () () >	0-
			1600033	M \$-3 E	571902	3'	Oppa	_0~
	indrovs re			S-4	3 /1 /03	3	C) PP->	70-
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Site: AOC 57 Client: AF	Project No.: 9144 - 03 Loi 2
Test Pit	-95 Time 15:00 End 15:30
Coordinates	
SKETCH MAP OF TEST PIT SITE Up amborker A GO'+ top of amborker Trees Scale 1" = Nora FT. NOTES: Test pl approximately 10 Seet Iona, Excavated to Goft where groundwater was encountered Top 5 feet of material seems to be Fill material (charcoal brogers found at least 25th below grade. No black organic layer was observed.	Crew Members: 1. Jako Jacobson (ARB-ES) 2. Tin Slager (ENPRO) 3. 4. 5. 6. Monitor Equipment: PI Meter (X) N Explosive Gas (Y) N OVA (Y) N Other Photogoraphs, Roll (X) Exposure (X) Photogoraphs, Roll (X) Exposure (X) Photogoraphs (X) P

ofile Along To	06.57					
OKETOU MAD OF	- TEAT DIT DO)		•		
SKETCH MAP OF	- IEST FIT PRO	T		<u> </u>		<u> </u>
			(A)			
			(3)			
			(2)		610478	uater
				V Š	@69	F.
CALE 1" =	5 FT. V	t chaitas	"= 1' horiza	27/1	soil tyr	2
Es:				(ple Number Depth	HD. SP. VOA
A) medi	to to	fire sond	poorly		57200C 0-1	O PPM
10050	5 1tah	rery dry	; 58	B S-2 EX	57 2003 3'	0 000
<u> </u>	7 4			S-4 5-5	3 / 8 / 9 / 9	
O	ium sem	. •	gradadi	3-6		
5 % 32	to 10%	1, m3, 5-	1090 grav	1 S		
50m2	combies	60 TO 6	" diamaile ore believ onp; loose;	*,		
1 he -	28:45 <u>C</u>	312 Balow) Did GELLER	2	ب ج در	
\overline{C}	13/24 (41	2 2 (20 53	Sind 7 00	och ared	ad i hery was	<i>\\</i>
\03	Se 1 1507	+ .40 y211	المرادع والمرادة	71.50	رمی آدوای سعد CE: FIELD BOOK	
	راي من الم	<u> </u>	ا ما ما	REFEREN	CE: FIELD BOOK,	Pg. 19
3 '	· ·		ke choscogl	•	ATTACHMEN	ITS Now
~		trotad uni	The The	SIGNATUI	BE: 000	7
م کیده	vaited m	grena				- CO
1 into	: No	olack o	noted pit	•		
	<u> </u>					

Site: <u>AOC 57</u> Client: <u>AF</u> Test Pit <u>57F-95-21X</u> Date <u>9-27</u> Coordinates	<u> </u>
SCALE I" = Note FT. NOTES: Test pil approximative 3 to 15 to 25 to 5 sill. Dehiis 5 with as bricks nails ash, ash, icon were noted. Successful to be rated und approximative of the power to be maked und approximation to be maked und collected on sampled. Below four feet was an exercised to 5 secondary to 5 secondary to 5 secondary and approximate to 5 secondary	Crew Members: 1. Jako Jacobson (ARB-ES) 2. Tin Slager (ENPRO) 3. 4. 5. 6. Monitor Equipment: PI Meter Nexplosive Gas Y Done Explosive Gas Y Done Photogoraphs, Roll None Exposure None
	——ABB Environmental Services, Inc.

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	3.7	- PI		- 2			1 - 4	
				T A	_,	7 T.		

2		57 <u>E-95</u> -			_ 1_	TP	4 2012
· Wes`	I wall	(typical a	stapping	(2)		- 	
SKETCH MAP	OF TEST PIT PRO	OFILE STA					
~			(A) 1	-	Denti	\$.	
Burky	medeled	3'	B				
	7	derk	\$ 60 W W				
			(b)				
			·			1	
				-			
SCALE 1" =	5 FT. V	ractions 1	"=1' horiz	07/1	- Soi	1 type	
OTES:				/r	.,	I Coath I	HD. SP. VOA
		recool; s			Sample Numi	(Ft.)	PPM () CO
<u> </u>	0:20x) 2	nall : st	13 4 6"x 10"20		EXS72	103 3'	6 ppm
	pipe (4	4) (erel 17	apsi bolle	7 S-3 S-4	EF572	106 6'	0 00
		ond 1 pour		. 			
	uno ; li	ght brown	· trace	\$ 3.7 88			
	1/2 2001	العامة عاميد	debris (nail	(a)			
(<u>c</u>)	aiger est	cinders,	ash, bric	_K			
()	latss no	115, 1500	object	<u> </u>			
<u> </u>	mal mills	1. qut at 20	a casa da	+ s (; u) J,			
<u>্</u>	reconding	· · · · · · · · · · · · · · · · · · ·	7(22.12	REFE	RENCE: FIE	LD BOOK, P	g. <u>20</u>
(D) M	edium to	fina sond;	trace of	- 	A ⁻	TTACHMENT	s None
' dr	N ROIT FO	oose; light	brown to	_	ATURE: _	RD 2	udy
ين ب	مر مرميع	ebroun!	Appears	- -			
`	1 4 . \ (i)	\ \ .	\				

Site: AOC 57 Client: AFC Test Pit 57E-95-22× Date 9-22- Coordinates	Project No.: 9144-02 1 of 2
SKETCH MAP OF TEST PIT SITE Tonk Monveyor Appropriate Trench excavolate into a Mount french excavolate into a Mount A Crushed Stygal rusted drum SCALE 1" = Noto FT. Mount NOTES: Test pit approximately 10 Kt log. Trench excavolate postly into a small mount (approx 2 Oft high) at the edge of the embort next.	Crew Members: 1. Jako Jacobson (ABB-ES) 2. Tin Slager (ENPRO) 3. 4. 5. 6. Monitor Equipment: PI Meter N Explosive Gas Y N Avail. Oxygen Y N Other N Photogoraphs, Roll None Exposure None

TEST PIT RECOR	
Profile Along Test Pit: 57E-95-22X E	PIC 1 TP-3 2012
West (Crush of gal drush)	
Surson A	2 Flathered Som
EF 5727 00 Sompled From nate	
B	
SCALE 1' = 5 FT. Vartical; 1"=1" horizon" DEPTH (FT). 10 NOTES:	No groundwater en woun
A) silty sond: well graded; 15 to 20% Fines: very loose: very dry; dark brown; SM; appears to be Fill material contains some	no. Sample Number Depth (Ft.) PPM S-1 FF572ZOC O-1' O P PM S-2 FF572ZCH 4' Sopp S-3 FF572ZCH 4' Sopp S-4 S-5
some ash.	3-8 3-7 S-3
B) clean median to time sord; poorly graded; 5-10% fines; vey loose? very dry; SP.	
No ground water encountered	ATTACHMENTS Now SIGNATURE: RO Declar

Site: AOC 57 Client: AF of Test Pit 57 E - 95 - 23 × Date 9 - 22	C Project No.: 9144-02 1 of 2 - 95 Time 10:30 End 10:50
Coordinates	
Equipout a Valida Sty Yak SKETCH MAP OF TEST PIT SITE	
XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	Crew Members:
2175 Tok Monverer	1. Jako Jacobson (ABB-ES)
2175 Took Monverer Field	2. Tim Slager (ENPRO)
N D D D D D D D D D D D D D D D D D D D	3.
1 2 4 1 (s)	4.
	5.
(MIND) (MIND) (MIND)	6.
25054 to 575-95-22X	Monitor Equipment: PI Meter
SCALE 1" = None FT.	Explosive Gas Y N Avail. Oxygen Y N
NOTES:	OVA Y 🕅
Test pit approximately 10 ft.	
10 ft. No ground-old encountered	Photogoraphs, Roll
Some debots found in the	Exposure
top 5 ft. of soil.	None
<u> </u>	
	<u> </u>
•	ARR Environmental Services Inc

Appex 5 \$1 Appex 6 \$1 Appex	SKETCH MAP	Typical			
SCALE 1'= 5 FT. Vartical; 1"= 1' horizotal DEPTH (FT). 1044 O-1' OESTE OF TOOSE IS - togo fires y very 10052; Very Jon 1 Lark hourd: SM Soil contains some lebris: Soin bolt; variele agar; makel Strapping: sone charcock B Clean redict to fire sind; pooch grade; 5-/08-5:-25; Very 10052 Ary to damp with daphy: SP REFERENCE: FIELD BOOK Pg. 21 No appropriate encounters				(A)	Appex 5 \$ t
SCALE 1'= 5 FT. Vartical; 1"= 1' horizotal DEPTH (FT). 1044 O-1' OESTE OF TOOSE IS - togo fires y very 10052; Very Jon 1 Lark hourd: SM Soil contains some lebris: Soin bolt; variele agar; makel Strapping: sone charcock B Clean redict to fire sind; pooch grade; 5-/08-5:-25; Very 10052 Ary to damp with daphy: SP REFERENCE: FIELD BOOK Pg. 21 No appropriate encounters				(B)	
A Silty sind; well graveld; 15-70% fires; very 10052; Very dry; dary house; SM Soil contains some debris; 20 includit; vehicle agar; maked 5 trapping; sone charcoach B Chean nadium to fire sind; pooch grade; 5-10% fires; very loope With depth; SP REFERENCE: FIELD BOOK, Pg. 21 No grandwate: encounters ATTACHMENTS None					10' botton of trench
	TES: (A) Sī' (Soi) 20; 5)	ity sond; -20% fi Ty dry; Contain contain conping; s	wall grades j ver dark brows s some de vehicle gas one chara	10052; 4:5M bris: cr; make) coch 2 5000; (0% 5:-25)	no. Sample Number Depth HD. SP. VOA PPM S-1 EF5 72300 CH

file Alona '	Test Pit:	57E-95-	24X	EPIC	TP-	1	2 of 2
Along A	106 57						
Sad wa	11 (Tu	Pocket	mo (13)	& N. No	at traces a	yppax 3	-2/2
OCS (Pocket	2100	·			
KETCH MAP (OF TEST PIP PE	ROFILE			•		
	//				- Ta	Vehicle Hamisai	21
~				3	1		-
3			(B)		1		
						+	-
		+					
\sim	· -						
			(D)				
						_	
				Rotton	of trendy	10'	
						ļ	
		· · · · · · · · · · · · · · · · · · ·	M (1)	1 1			
ALE 1" =	<i>-</i> 5F⊺.	ractical) 1	"-1" horizi	07141			
ALE 1" = PTH (FT)	5 FT. 10 \$)	L classitas	"= 1' hosizi	07141			
Es:				- 	nple Number Depth	HD. SP. V	OA
Es:		sue +080	7(no. San	(Ft.)	PPM	
Š: A) ≈ 6"	vegetal	عدم بحوده	it(no. San	ibis idnitios. I .	PPM 0 P(7 =
B) ≈ 6" B) Silt	vegetal	ove topso	it (1	no. Sar 34 S-1 E S-2 EX	(Ft.) F572400 0-1 572404 4' 572407 7'	PPM O P(7 6
B) ≈ 6" B) ≤(\t	vegetal	well gro	ided; % gravel;	no. Sar 14B S-1 E S-2 EX S-3 EX (D) S-4 EX	(Ft.) F572400 0-1 572404 4	PPM O P(7 6
B) ≈ 6" B) 51/17	vegetal 13 507 d: 15 70 Si	well grows wy 5:	idadi Yograveli	no. Sar 14B S-1 E S-2 EX S-3 EX 5-3 -5 -5 -5 -5 -5 -5 -5 -5 -5 -5 -5 -5 -5	(Ft.) F572400 0-1 572404 4' 572407 7'	PPM O P(7 6
B) ≈ 6" B) ≤ 1\t 10- 10- 21- 5M	vegetal	well grows well grows w/ 5: is dearly to be	ided; gogravel; grams; fill	no. Sar 14B S-1 E S-2 EX S-3 EX S-3 S-3	(Ft.) F572400 0-1 572404 4' 572407 7'	PPM O P(7 6
B) ≈ 6" B) 5;\t 10- 15 5M Ma	vegetal y sond; 15% Si j loose j apper	well grows well grows w/5: derk to be pocket of	idad; % gravel; 270 gravel; 270 mm; 4 fill	no. Sar S-1 E S-2 EX S-3 EX S-3 -5 X S-3 -5 X	(Ft.) F572400 0-1 572404 4' 572407 7'	PPM O P(7 6
B) ≈ 6" B) ≤ 11 10- 17 5M 47 50	vegetal 15% Si 15% Si 1005e teriodi	well grows by derk by pocket of	ided; gravel; graws; craws; craws; craws; craws; craws;	no. Sar S-1 E S-2 EX S-3 EX S-3 -5 X S-3 -5 X	(Ft.) F572400 0-1 572404 4' 572407 7'	PPM O P(7 6
B) ≈ 6" B) ≤ 1\t 10- 10- 10- 10- 10- 10- 10- 10	vegetal y sond; 15% Si 10052 teriod; 1001	well gro res w/ 5: derk be cos to be pocket of north end	idadi % graveli 2 ramai 2 Fill F coal of trenor	no. Sar S-1 E S-2 EX S-3 EX S-3 -5 X S-3 -5 X	(Ft.) F572400 0-1 572404 4' 572407 7'	PPM O P(7 6
B) ≈ 6" B) ≤11t 10- dry 5M 40- 40- 40- 40- 40- 40- 40- 40	vegetal y sond j sond j 500 se j apper terior terior nd at orx, make	well grows well grows w/ 5% derk to be pocket of pocket of 1/2 to be to	ided; % gravel; 2 Fill F coal of tronor 2/254	no. Sar 148 S-1 E S-2 EX S-3 EX S-3 S-3 S-6 S-7 S-8	(Ft.) F572400 6-1 572407 7' 57240 7'	PPM OP(19 pp 78 pp	200 E
B) 51/15 10- 10- 10- 10- 10- 10- 10- 10- 10- 10-	vegetal j sond j sond j sond terial nd at oran s sond	well grows well grows w/ 5: as w/ 5: as w/ 5: as w/ 5: as to be pocket of pocket o	ded; logravel; logravel; fill coal coal coal coal coal antision antision	no. Sar 145 S-1 E S-2 EX S-3 EX S-3 S-3 S-3	(Ft.) F572400 0-1 572404 4' 572407 7'	PPM OP(19 pp 78 pp	7 6
B) 5;1t 10- 10- 10- 10- 5M 5M 50- 40- 10- 10- 10- 10- 10- 10- 10- 1	y sond; 15 90 Si 1005e teriod; 10 or 10x, mare 5 50212	well gro nes w/ 5: derk to derk to pocket of north end y 1/2 to vehicle tro is this 20 m	ded; yogravel; yogra	no. Sar 143 S-1 E S-2 EX S-3 EX S-3 S-3 S-8 REFEREI	(Ft.) F572400 6-1 572407 7' 57240 7'	PPM O P (19 pp 78	200 E
B) 5:11 10- 10- 10- 10- 10- 10- 10- 1	yegztal y sond; 15 % Si i loose teriod; nd at in. A s sound except	well gro nes w/ 5: derk to cors to be pocket of north end yet ide tro is this zon silve soil of dorker in	dadi gograveli grawaj Franci Franci 2/254 coal	no. Sar 14B S-1 E S-2 EX S-3 EX S-3 S-3 S-3 S-3 S-7 S-8 REFEREI	(Ft.) F572400 0-1 572407 7' 572407 7' 572410 10	PPM O P (19 pp 78	21
B) 5:15 10- 10- 10- 10- 10- 10- 10- 10- 10- 10-	y sond: y s	well gro nes w/ 5: derk b cos to be ports end yeticle tro is this zon silve soil of dorkering oil small	dad; yogravel; yogravel; crows; cr	no. Sar 14B S-1 E S-2 EX S-3 EX S-3 S-3 S-3	(Ft.) F572400 0-1 572407 7' 572407 7' 572410 10	PPM O P (19 pp 78	21
B) Silt 10- dig 5/1 For Light Light Non Cupi	regetal 1 sond 1 sond 1 sond 1 sond 1 sond 1 sond 1 sond 2 or sind except an fuel	well gro nes w/ 5: derk to cors to be pocket of north end yet ide tro is this zon silve soil of dorker in	ded; gogravel; gogravel; grawn; fill foodl of transi 2/25t sanission as well sobore reasing	no. Sar 14B S-1 E S-2 EX S-3 EX S-3 S-3 S-3	(Ft.) F572400 0-1 572407 7' 572407 7' 572410 10	PPM O P (19 pp 78	21
B) Silt 10- 10- 10- 10- 10- 10- 10- No Som No No No No No No No No No	yegztal y sond: 15 % Si 10052 teriod: 10 at 10 at 10 at 10 at 2 at si except an fuel an sons 10 at so	well gro nes w/ 5: derk to derk to derk to pocket of north end yet ide fro in this zon ilor soil of dorkeri oil small and dec	dad; go gravel; go gravel; from from from 2/25t control cobore cobore cobore cobore cobore cobore cobore cobore cobore cobore cobore cobore cobore cobore cobore cobore	no. Sar 148 S-1 E S-2 EX S-3 EX S-4 EX S-4 EX S-5 EX S-5 EX S-5 EX S-6 EX S-7 EX S-	(Ft.) F572400 0-1 572407 7' 572407 7' 572410 10	PPM O P (19 pp 78	21
B) Silt 10- 10- 10- 10- 10- 10- 10- No Som No No No No No No No No No	yegztal y sond: 15 % Si 10052 teriod: 10 at 10 at 10 at 10 at 2 at si except an fuel an sons 10 at so	well gro nes w/ 5: derk to derk to derk to pocket of north end yet ide fro in this zon ilor soil of dorkeri oil small and dec	dad; go gravel; go gravel; from from from 2/25t control cobore cobore cobore cobore cobore cobore cobore cobore cobore cobore cobore cobore cobore cobore cobore cobore	no. Sar 148 S-1 E S-2 EX S-3 EX S-4 EX S-4 EX S-5 EX S-5 EX S-5 EX S-6 EX S-7 EX S-	(Ft.) F572400 0-1 572407 7' 572407 7' 572410 10	PPM O P (19 pp 78	21
B) Silt 10- 10- 10- 10- 10- 10- 10- No Som No No No No No No No No No	y sond: 15 90 5: 1005es 100fes 100	well gro well gro nes w/ 5. derk to derk to pocket of north end yet ide tro is this zon ilor soil a cond dec inite de	ded; yogravel; yogravel; fill f coal of trency 2/25t sanistion as obove reasing reasing reasing reasing reasing reasing reasing reasing reasing reasing	no. Sar 143 S-1 E S-2 EX S-3 EX S-	(Ft.) F572400 0-1 572407 7' 572407 7' 572410 10	PPM . O P(19 pp 1	21

	TEST PIT RECORD	
EPIL TP-1	Test Pit $\frac{57E-95-297}{}$ Date $\frac{9-23}{}$	C Project No.: 9144-02 1 of 2 - 95 Time 11:15 End 12:00
	SKETCH MAP OF TEST PIT SITE	Crew Members:
	A XX	1. Jako Jacobson (ABB-ES)
	N Appen	2. Tim Slager (ENPRO) 3.
	July July 13 - 09	4. 4 5.
	WIND Access Rd = 1351	6.
	SCALE 1" = Nove FT.	Monitor Equipment: PI Meter Explosive Gas Avail. Oxygen Y
•.	NOTES: Test pit appearantely 10 foot long Venicle temsnission food	OVA Y O
	A pocked of coal was found is	Photogoraphs, Roll Lone
	the noch and of the pit approximately 2 foot beg trick, 1500+ long.	Exposure
	Inves of sortings for 2 st thick	
	(nalize mail) below approximately 5 ft had a gasoline ador.	
	PID 248ppm ! (nead spair)	
		ABB Environmental Services Inc

. Site:	AOC 57	Client:	AEC	Project No.: 9144-02 1 of 2
Test Pit Coordina	SKETCH MAP OF TEST PI	Date -	q - 22-	95 Time 13:20 End 14:15 Bldg T3751 Crew Members: 1. Jako Jacobson (ARB-25)
Z	Lopen L	250	aced Acess	2. T.m Slager (ENPRO) 3. 4. 5.
WIND NOTES:	SCALE 1" = No.70			Monitor Equipment: PI Meter Explosive Gas Avail. Oxygen OVA Other
	Test pit approxi 12-g. Execuale bgs. No grown	à Eolin 10 12	<u>S</u> 22t - Jeiek 	Photogoraphs, Roll Exposure None
·	· · · · · · · · · · · · · · · · · · ·			v
				—ABB Environmental Services, Inc.

93120058 L 2

roiile Along	Test Pit:	57 <u>5-95-</u>	25 X					2 0
	OF TEST PIT PRO	DEILE		•				
		edium brown	(A)					
	do	K biows	<u>(3)</u>	36"	lay	er of	रठवर्वे।	pase mat
			(2)		ر			chunks of pivements
-								silty sond
								∽8 gra
			BoHo-	es ex	Card	tion	- 12	5+ bgs
			30 130		- 300	W 1/2/		J
SCALE 1" =	5 An v	1 20tical; 1"	- 1' hasiza	· · · · · · · · · · · · · · · · · · ·				
DEPTH (FT)	12 (3)	4(,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	- 1 //0/1/21			•		
A SILL	sind wall	gradad;	10-15/1	no.	Sampl	e Number	Depth (Ft.)	HD. SP. VOA PPM
Fine); 5-10	izala ravel	j dry to	A S-1	EXS	72500		0 000
- gamp	1952,	Ros	· madina	<u>S-3 کی </u>	EF:	7251		OPPT
אנסיי-	<u> 5M</u>		·	S-4 S-5	 			
B) Roo	2 buse m	in Irista	th pieces	3-6 3-7				
#\ C			10W2	S 3				
(¿~	ker thin	6	and w/ gra	, d				
				L	L			
E) Mis	in sund	; poolly -	زرم تندي					
<u>dan</u>	o. Loose;	3050my/4	irning to	REE	EBENC	E: FIELD	BOOK	ے تے ہے۔ میر
950	L'wits 2	-ptu		,	2112.10			
J	<u> </u>						CHMEN	15 10000
				SIGN	IATURE	≣: 	170	much

Site: AOC 57 Test Pit 57E-95-26 X Date 9-22-95 Coordinates SKETCH MAP OF TEST PIT SIZE 150 to 57E-95-034 Crew Members: 1. Jak Jacobson (ARB of the standard of the stand	
SKETCH MAP OF TEST PIT SIRE ISO to 57E 95-034 Crew Members: 1. Jak Jacobson (ARB-construction of the state	··s)
SKETCH MAP OF TEST PIT SIRE 150 to 57E 95-034 Crew Members: 1. Jako Jacobsu-z (ARB-control of the state of	:`s)
1. Jake Jacobson (ARB-6) 2. Tim Slager (ENPRO) 3. 4. 5.	<u>:</u> 's)
1. Jake Jacobson (ARB-6) 2. Tim Slager (ENPRO) 3. 4. 5.	<u>'</u> 's)
2. Tim Slager (ENPRO) 3. 4. 5.	<u>``s</u>)
3. 4. 5.	
4. 5.)
5.	
$ \hspace{.1cm} \hspace{.1cm} \hspace{.1cm} $	
WIND Transferred of 6.	
Contaminated Soil Stackpile Area Monitor Equipment:	
Explosive Gas V ND	
Avail. Oxygen	
NOTES: ————————————————————————————————————	
Other	
Test pit approximately 10 27	
Ina Excavate dounts	
11 foot No groundwater incombred Photogoraphs, Roll None	
A thin (1 to 2" thick laver) Exposure	
less of what appears to be	
coal ash of coal cindars is	
present at the approximate	
1/1 foot level	
·	
	•
	1
9312005S L 2	

01/570		poical P.	rofile	- A1/1	nalls:				
SKETC	H MAP OF TEST PIT PF	OFILE				 			
	<u>(A)</u>								
				-+	- ~	+~-			
	(1)								
			_			_		· · · · · · · · · · · · · · · · · · ·	4
			_	BOX	on of	عهدع	valian	@ 11	-
									7
SCALE 1	= <u>5</u> FT.	vartical;	1'= 1' h	05,50	74~1		L		
	T)	•							
OTES: _	silty sond; n	all arades	3; 10	-15%	no. Sar	nple Number	Depth (Ft.)	HD, SP, VOA	7
	Silty sond; m inas w/ 5-1 10050; med	o do grav	थे ; र्वा	٣;_		572600	0-1	Opp-	٦,
	loose; med	iun bro	<u>کرنس</u>	<u>K</u>	S-3	X 57260 F 57261		000-	ᅴ,
(B)	Thin (1"to		layer)	96	5-4 5-5			11	7
(5)	coal using ci				3-8				\exists
(E)	Silly sond	-e 11 d (2 2	28 / 15	-2011	S 3				\dashv
	times wy 5	610mg	4/2	<u> 3</u>		:			
(B)	(1000 Med	1000 500 S	. 00	مذأء]
<u>~</u>	यामके : दे	and lo	ر محد	-3-					
	yallow 557	ל השפזם	to 950	ار				22	
	with de	17 5 P	7	J	HEFERE	NCE: FIELD	•		
						ATTA	CHMENT	5 <u>Non</u>	<u>}</u>
					SIGNATU	RE: N	D Due	لر	
							0		_

Site: AOC 57 Client: AE	Project No.: 9144-02 1 of 2
Test Pit 575-95-27X Date 9-25	5-95 Time 10:00 End 10:40
Coordinates	
SKETCH MAP OF TEST PIT SITE STORY Seed of Charlink N to Charlink Charlink For Valide	Crew Members: 1. Jaka Jacobson (ARB-ess) 2. Tin Slager (ENPRO) 3. 4. 5. 6. Monitor Equipment: PI Meter NExplosive Gas Y NAVAII. Oxygen
	——ABB Environmental Services, Inc.

):	AOC 57									
	-	Typical	اله	nalls.		•			•	
SKETCH MA		•							•	
				(80)		,		······································	T	
Air N								<u> </u>		_
na.	7									
				·						
				(b)						
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				- R.	ال جور	ς 2×	c, al	107	12'	
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	<u> </u>				-1.1					
CALE 1" = EPTH (FT)	F 	T. Varro	~1) I	= 1 Notize:	,1,4,7					
'ES:	<u> </u>		· · · · · · · · · · · · · · · · · · ·			Sampl	a Number	Depth	HD. SP. VOA	\neg
<u>(A)</u>	Silty Sun!	dinalle	lege.	10-15%				(Ft.)	PPM	4
	times u/	5-1077 g	eaval	; 3ry;	S-1 S-2					
	10050; 1	nedium be	۳ شعر (۵)	; 319	S-3				00000	ᅪ
		- 111			3-3	 				\dashv
(B)	This	23 +4:1	<u>rk ka</u>	125 CF	3.6	 				\dashv
	ruesd ym	to blac	<u>k 50</u>	1 - may						
	ion gring	59-a coc	al as	L. Mes cirde	1	<u> </u>				4
	· Land .			•		-				\dashv
						1			•	
(c) !	5:17, -5-	b well	عنصك	2015-20	7 5					
(: <u> </u>	5-107090	<u>زاءرين</u>	10052	REF	ERENC	E: FIELD	BCOK. F	oa. 2º	j
نے	رصه ات	ht brown	70%	edd.55					A .	
V	150000	50					ATTA	CHMEN	TS 7000	<u></u>
0) (loan Me	Bin Sa	29.	20014	SIGN	SATURE	:: <i>f</i>	704	L. L.	
	(/ .								<u> </u>	_
3,1	10 yell 20			50; wel	۲,					
	No ac	afpudovo	r 20	countered						•
	CALE 1' = EPTH (FT).	CALE 1' = 5 F EPTH (FT). 121 ES: A Silty som fines u/ 1005e; D ARK brown con hin cui dant fines u/ con hin cui dant fines u/ con hin cui dant fines u/ con hin cui dant fines u/ con hin cui dant fines u/ con hin cui dant fines u/ con hin cui dant fines u/ con hin cui dant fines u/ con hin cui dant fines u/ con hin cui dant fines u/ con hin con	CALE 1'= 5 FT. Vartice EPTH (FT). 12i Fines w/ 5-10? 9 1005e; Medium b Anxy brown to blace con min some coe cui dent. C. Silt. sand in the coe cui dent. C. Silt. sand in the coe cui dent. C. Silt. sand in the coe cui dent. C. Silt. sand in the coe cui dent. C. Silt. sand in the coe cui dent. C. Silt. sand in the coe cui dent. C. Silt. sand in the coe cui dent. C. Silt. sand in the coe cui dent. C. Silt. sand in the coe damp: light brown brown; Sh C. Sean medium sand graded in face of to yell out on brown The yell out of the yell out on brown The yell out of the yell ou	CALE 1'= 5 FT. Vartical; 1' EPTH (FT). 12i TS: A Silty som b; well grade. Fines w/ 5-1032 graval 1095e; Madium brown 1095e; Madium brown Contain some could as contain some contain some	CALE 1'= 5 FT. Vertical; 1"= 1' horizo EPTH (FT). 12i ES: (A) Silty sand; well grade; 10-15% Fines w/ 5-10% graval; dry; 1005e; madium brown; SM (B) This (23" Frick layer) of dark brown to black soil - may contain some coul ash. My circle cuitant; (C) Silty sand; well grade; 15-70 Fines w/5-10% graval; 1005e damp; light brown to reddish brown; SM D) Clean medium sand; poorly graded; trace of graval; tame	CALE 1'= 5 FT. Vertical; 1"=1' horizotal EPTH (FT). 12i ES: (A) Silty scord; wall grades; 10-15% Fines w/ 3-10% graval; dry; 1004e; madium brown; SIM Silty scord; madium brown; SIM (B) This (23" trick layer of dark brown to black soil - may contain some coal ash, My cinders Lind w/ 5-10% graval; 10-20% Comp. Tash brown to reddish hrown; SM D) Clean medium scord; poorly graded; frace of graval; tan to yell such sonum; SP; wet.	CALE 1: = 5 FT. Vartical; 1 = 1' horizotal EPTH (FT)	CALE 1'= 5 FT. Vartical) 1"=1' horizotal EPTH (FT). 121 ES: A Silty scan of well grades 10-15% Fines w/ 5-10% graval; dry; 10050, madium brown; S/M Back brown to black soil - may 2007 his some cond ash, My cinders 2007 his some cond ash, My cinders 2007 his some cond ash, My cinders 2007 his some cond ash, My cinders 2007 his some cond ash, My cinders 2007 his some cond ash, My cinders 2008 his some cond ash, My cinders 2008 his some cond ash, My cinders 2008 his some some poorly 2008 his some some poorly 2008 his some some some signature for the some some some some some some some som	Both Signature Both Signature CALET'S SET. Vartical; 1"=1" horizontal EPTH (FT). 121 ES: Silta can be wall grade; 10-15% Fines w/ 5-107n graval; dra; 1005a; madius brown; SM Sola EF 572700 0-1" Sola EF 572700 0	CALE 1'= 5 FT. Vartical; 1"= 1' hor: 2071/1\ EPTH (FT). 121 ES: (A) Silty can be well acade 10-15% Sings w/5-(07) grand dry: 1005c; Making brown; SM (B) This (23" thick layer) of dark brown to block 50:1 - man contain sone could ach. My ciners (C) Silty sone well acade 15-20% (C) Silty sone well acade 1

Site:	AOC 57	Client	AEC	Project No.: 역 1 년 - 0 용 1 of 2
Test Pit	57E-96-28X			6 Time 13:30 End 15:45
Coordina	ites — X			•
	1290			
	SKETCH MAP OF TEST PIT SITE		1	
1	Truck Sides T			Crew Members:
†	(2) Truck Sides	לה מתחו לה	:10'depty	1. Jacobson / ABR
	Grace Physic Amonaly	230' long in	ינושלישן	1. Jacobson/ABB 2. Slater/Enpro
		3100050	mds 0	2. STATER/ 2- pro
N		ToyoLSI	ادعا	3.
	361	201 from 5	76-95-24 Perpindon	4.
	C - I WAT YA	E-95-24	X	3. 4. finch (see py 2) 5.
	Stak X			5. '0')
				6.
WIND	·			Monitor Equipment:
	·			Pl Meter V N
	SCALE 1" = No Side FT.			Explosive Gas Y N
NOTES:	·			OVA Y N
				Other
1	scotysical annually y	Estrada		
	er was found to be take to be the beat to be the be	100 22°	<u></u>	Photogoraphs, Roll None
	1/2' wid made of		7	Thotogoraphis, Holi
	See py Z. Other debris Onoled.			Exposure <u>DNA</u>
	debris Onated.			
		•		
				·
				·
				
-				
			•	

	Profile Along Test Pit: 575-96-28X	2 of 2
	Site: AOC-57 WEST WALL*	
ු ' ල	SKETCH MAP OF TEST PIT PROFILE	
5 B	Coal Cinders 6"1, 1" B arker Coal B	
10' B	Fuel like obor del C Jurning gray Suy	
≈6' & 50044 to 575-95-2	Trace and of seeping 17 Botto Exca	m of vation at 10°
Test Pit Stake	SCALE 1" = 5' FT. 1 Black = 5' bori2 & vertical DEPTH (FT). 10'	5.1
	NOTES:	PPM Rkgrd B Rkgrd
	A) Silty Sand; poorly graded; 15-2092 *15-3 FF572806 6' Sines; dry; loose; light tan; 5M 5-4 FF572809 8' 5-5 FF572809 9'	146 pp. (c) 105 pp. (c) Brand (c) Brand (c)
Fill -	B) Will good send; 10% Sins; dans; 3.7	
	Some trace grave (5%); dork brown	
	noted: (1) Amonally was (2) 12' long x 11/2 wide steel truck bed sides	or tail goles
	(3) Oil Filter REFERENCE: FIELD BOOK, PG	A
-	ATTACHMENT	s Nova
	rubber belts (San) Steel sheeting	
	(C) Fine to Median Sand; poorly graded; median dense; reddish brown wydepth; a	1011/19 to 912 4
	* Note: East pro- weall profile similar except coal/cine was not as evident.	ki layer
	** Off-site soil samples collected @ location 5-	3
·	APP Environmental Sc	onvioce Inc

9312005S L 3

Site: Test Pit	57E-96-29X	Data 8-2	AEC Project No.: 9144-08 16 20-96 Time 8:45 End 11:20
Coordinate		Date	rana Cud
000,0	•		•
S	KETCH MAP OF TEST PIT SITE		
7			Crew Members:
著			1. Jacobson/ABB
3			2. Slater / Enpro
N->	1 2 4		
#	10' 7	10	3.
书	3//	-> 24	4.
1			5.
	-	veride F	6.
(Mikig)	13	a Recipient	
stight s	57E-95-24 Stake	<u> </u>	Monitor Equipment:
المنعود الم	CALE 1" = No Scale FT.		Explosive Gas
IOTES:		·	Avail. Oxygen Y N
			Other Y N
	+ Pit 57E-96-295		
	st for 10 feet and 114 mest for another		Photogoraphs Roll None
	it pit depts was		
	pp soximately 10 5		Exposure DNA
	<u> </u>	0	
		-	
·			
·		7.	
,			

	TEST PIT RECORD	
•	Profile Along Test Pit: 57E-96-29X	2 of 2
O' Bes	SOUTH WALL (North w	sall similar)
	(B) & 5-4 . D) . S ~ A	
	5-2 E 5-6	
3' Ar 2'X	water seped into ottom or accounting	
·	SCALE 1 = 5 FT. Horiz. & Vertical DEPTH (FT). OTES: (Ft. Horiz. & Vertical DEPTH (FT). OTES: (Ft. Horiz. & Vertical Depth (FT). (Ft. Horiz. & Vertical Depth (FT). (Ft. Horiz. & Vertical Depth (FT). (Ft. Horiz. & Vertical Depth (FT).	.) PPM
nes isent	(B) Fill Majerial: deals and soud; 10% 1:00 5-3 4 FF 57 2904 4	5' 0.8 (0' * 3.0 pp- (4' Riggs (
3,©	(2) Engine block desnse; debris; 10:10 gr EF572911 11 (3) Below the engine block was an approximate 6" thick layer of saudust with persolver like ader. (PID from	(101/2) 0-400-
	Soil sample (5-2) collected below 1775 lergerence: FIELD BOO	OK, Pg. <u>5-8</u> MENTS <u>No-4</u>
(Sandust Lense noted at west end (B) Concrete debris (broken slub) (B) Modal scraps, wire sieve SIGNATURE: "P.O. (C) Fine to median sand; poorly graded; median dense reddent turning gray of depth; wet @ > 75t.; SP * Seplic ador noted from Sample 5-3, slight septic in 5-	sish brown
	* Septic abor noted from Sample 5-31 slight septic in 5- * 5-5 collected from the samplest layer for PID heads	7 space

TEST FIT NECOND	
Site: AOC 57 Client: USAE Test Pit 575-96-30x Date 8-20-	96 Time 13:15 End 15:45
Test Pit S/5-76-30X Date 20-	Time Time End
Coordinates	
SKETCH MAP OF TEST PIT SITE	
	Crew Members:
5 7x-95-24X STAN	1 - 1 - 1 / 1 / 1 / 1
	1. Jacobson/ABB
57E-94-3dx	2. Slater / Enpro
N	
1 . 1 . 1 . 1 . 1	3.
30	4.
37m-95	_03X
	5.
	6.
(Wind)	-
	Monitor Equipment:
	PI Meter N N N N N N N N N N N N N N N N N N
SCALE 1" = No Scale FT.	Avail Oxygon
NOTES:	OVA V N
Trench execuated in a generally	Other
souther direction to assess extent	
of costanization, Visual and	
PID measurements indicating a	Photogoraphs, Roll Alene
diministing in potential contamination	Exposure DNA
seemed to occur approximately	
25 Feet from the 57x-45-24x	
Stake Containation superior	
to be most prevalent below	
a saw dust (wood chip) layer	
located at the approximat 5 ft bgs	
Depts of test pit ums = 10 foot	
Depts of 3251 pro mas = 70 x ms	
	;
·	
•	
	——ABB Environmental Services, Inc.

	TEST PIT RECORD	
	Profile Along Test Pit: 57E-96-30 × 2 of 2	
	Site: AOC-57-30X	
` . *	(N)	
, i _	SKETCH MAP OF TEST PIT PROFILE Fast Wall	
O'B6	A Transfer	
n at	(B) 1850 Chip layer disapparates or all least diministral	
2 4 - 6' 5000 6 - 5 16-08 C	D 357 (6)3 5-518 / 1855	
	5-8	
soil soil	5-4 5-6 8 Gray Light Brown Sent 150	
1 40	1526	
S a. 10	3-7.78	
575-95-2L		
575-95 54afie		
	SCALE! = 5 FT. Horiz. & Vertical DEPTH (FT). 10-11 ft	
· 	NOTES:	
	(Ft) PPM (B) Will graded Sand; 10% Fires; 5% gravel; ned broad 3:25 S-1 EF 573002 2 Opp m	
	17(D Wash 6716) 7 151 10-10 13:3 5-2 EF573004 4 4.1 PAY	R\$3 (
	above a saudist laver 14:00-4 EF573019 9 22 ppm (5	8 2,0
	(2) Matal dabris (bolts + shaps) Ardad 14:15-3 FEES 7 300 5 (44) 54 April 14:2 37 5 5 5 5 7 300 5 (44) 54 April 14:2 37 5 7 1007 17 2 120 April	Dex v
/	(C) Fill Layer: Sand: wall graded: 14:35 EF573011 11 (10/2) 12 ppm (5	<u> </u>
	5% Sines; dang: medium brown; w/ 14:505-8 FF572165 5 Bkgrad	
	benner dork lenses & debris 15.00 15-4 EF573069 9 4.0 ppm()	7
	D Fine to medium sound; possily REFERENCE: FIELD BOOK, Pg. 9-10	
	graded; medium dense;	
	from 57=-95-24x 63aks where it SIGNATURE: Do Orch	
	turned a light brown to reddish brown; 5P	
		+
	\$ 5-5 collected in Dock brown layer w/some wood whips	
	** 5-3 OSF-5.te lab sample EX 573006 also cullected from this	
	Note: Sandust layer had a petroleum like odor but did not exhibit	
	93120055 L3 Significat PID levels above background (1 1 2 20)	_

SKETCH MAP OF TEST PIT SITE TE-95-24 STATE THE STATE OF THE STEE Crew Members: 1. Jacobson/ABB 2. SPECH Enpro 3. STATE OF THE STATE 6. Monitor Equipment: PI Meter Explosive Gas Y N Avail. Oxygen Y N OVA Other Test P. J. day in a southward of continued of the state of continued of the state of continued of the state of

	(N) = H
D, B	SKETCH MAP OF TEST PIT PROFILE (STribe to S Pipe sticking the land (Stribe to S
	B Pavenni Stair soi di ministrasity
B&<	(S) 25-3 3-5
10 4	Worker notes. Suping into botton of anama-m
	SCALE! = 5 FT. Horiz. 1 Vertical DEPTH (FT). 10 f1 NOTES: A Top Soil - Silty sand; pooling radio 1590 fines: trace of 1/2 to 1/2 gravel; S-1 EF\$731044' 102 np.
	10352; dry; SM 9:30 \$-38 EF573109 9' 30 pp- 4:45 \$-4 EF573100 10' 152.00-
	Steel cable, pipes, sheet metal. well graded 10:3 - FF57710A 9' A.C. pp. Sand; median to dork brown; As loose; Su-sn ROJ C) Appen 1' trick layer of dork staired Silty sond.
	D Light brown sand - Fire to medium sand: poorly graded; medium dense reddish brown at lower depths then turning gray. REFERENCE: FIELD BOOK, Pg. 11-14 ATTACHMENTS None SIGNATURE: Myelling Turning gray.

MONITORING WELL AND PIEZOMETER CONSTRUCTION DIAGRAMS

Field Geologist <u> โร.โวน</u>	SETH PUMP (SID)
Ground Elevation 2	Stick-up of Casing Above Ground Surface: 2.54 FEET Type of Surface Seal/ Other Protection: GMNL pod G Type of Surface Casing: PROCEVER ID of Surface Casing: BINCH Diameter of Borehole: 10 INCH Riser Pipe ID: 4 INCH Type of Riser Pipe: SCH 40 PVC Type of Backfill: BENTONITE GROUT Depth of Top of Seal: 8 FEET (bgs) Type of Seal: 13 FEET (bgs) Depth of Top of Screen: 19 FEET (bgs) Type of Screen: SCH 40 PVC Slot Size x Length: 0 CIO INCH - 10 FEET
	Depth of Sediment Sump with Plug: NIA Depth of Bottom of Borehole: Depth of Bottom of Borehole: Depth of Bottom of Borehole: NIA

MONITORING WELL CONSTRUCTION DIAGRAM

Project No. 9144-02 Field Geologist S. Monta om	Boring No. 57M-95-02X Drilling Method 6/4"(ID) HSA Date Installed 9-29-95 Development Method Dedicated Salam. pun
Ground Elevation	Stick-up of Casing Above Ground Surface: 2.65 Type of Surface Seal/ Other Protection: a avel pad Type of Surface Casing: Steel ID of Surface Casing: Steel Diameter of Borehole: D.9 ft Riser Pipe ID: 41 Type of Riser Pipe: Schedife: 4t: PVC Type of Riser Pipe: 4th pad since sand Shicking in the arrange of the arra

Project <u>Fort Devens</u> Study Area	ACC 57 Driller P.L. Maher — B. Burns 57M -95-03 X Drilling Method (1/2" (ID) HSAs
	10-3-95 Development Method dedicated submessible pu
Ground Elevation.	Stick-up of Casing Above Ground Surface: 32.90' Type of Surface Seal/ Other Protection: gwel gad Type of Surface Casing: Seal, alone grade ID of Surface Casing: 6' Diameter of Borehole: 7' Type of Riser Pipe: Schooled 4C PVC Type of Backfill: Type I - IT Partland communt + Volclay grade Depth of Top of Seal: 3' Type of Seal: 4' centravite palists (Volclay Para Solid Depth of Top of Screen: 7' Depth of Top of Screen: 7' Type of Screen: Schooled 4D PVC Slot Size x Length: 0.010 x 10' ID of Screen: 17' Depth of Bottom of Screen: 17' Depth of Sediment Sump with Plug: NA Sm
	Depth of Sottom of Borehole: 18' ABB Environmental Services, Inc.

Project Fort Devens Stu Project No. <u>O9144-0-2</u> Bor	dy Area <u>ACC 57</u> Driller <u>K. REGAN (D.L. MAHER)</u> ring No. <u>57 M. 95 04A</u> Drilling Method <u>H.S.A.</u>
Dat Field Geologist <u>G. Gulsetti</u>	te Installed 10/4/95 Development Method Dedicated sulprussi
Ground Elevation	Stick-up of Casing Above Ground Surface: 1.25 ft Type of Surface Seal/ Other Protection:

Type of Surface Casing: PRECOVER ID of Surface Casing: O INCH Diameter of Borehole: IO INCH Riser Pipe ID: 4 INCH Type of Riser Pipe: SCH 40 PVC Type of Backfill: BENTON ITE CEMENT GROUT Depth of Top of Seal: 7 FEET Type of Sand: 13 FEET Depth of Top of Sand: 13 FEET Depth of Top of Screen: 18.51 FEET Type of Screen: SCH 40 PVC Slot Size x Length: O O O IO INICH - 10 FEET ID of Screen: 4 INCH Type of Sandpack: # CO SAND Depth of Bottom of Screen: 28.51 FEET Depth of Sediment Sump with Plug: 28.91 FEET	Project Fort Devens Project No. 09144-02 Field Geologist G Gulse	Date Installed 10 3 95 Development Method Dedicated Subaneros
Depth of Bottom of Borehole: 30.0 FEET		Type of Surface Seal/ Other Protection: Grand Grant Type of Surface Casing: PROCOVER ID of Surface Casing: O INCH Diameter of Borehole: ID INCH Riser Pipe ID: 4 INCH Type of Riser Pipe: SCH 40 PVC Type of Backfill: BENTON ITE CEMENT GROUT Depth of Top of Seal: 7 FEET Type of Seal: BENTON ITE PELLET Depth of Top of Sand: 13 FEET Depth of Top of Screen: 18.51 FEET Type of Screen: SCH 40 PVC Slot Size x Length: O.Olo INCH - 10 FEET ID of Screen: 4 INCH Type of Sandpack: #CO SAND Depth of Bottom of Screen: 28.51 FEET Depth of Sediment Sump with Plug: 28.51 FEET

MONITORING WELL CONSTRUCTION DIAGRAM

-	Study Area AOC 57 Driller D.L.MAKER — B. BURNS
Project No. 9/44-02	Boring No. 5710-95-05X Drilling Method 6/2" 1-54
Field Geologist S. Manigamer	Date Installed 10-3-95 Development Method Dedicated Subamo of
Fleid Geologist	7 9 57 70
	Stick-up of Casing Above Ground Surface: 3"
Ground Elevation	Type of Surface Seal/ Other Protection: 9/30/2 pad Type of Surface Casing: Steel, along your ende
	Type of Surface Casing: Steel aboute glade
	ID of Surface Casing:
	0.9'
	Diameter of Borehole:
	Riser Pipe ID:
	Type of Riser Pipe: Schedule 40 TVC
	l I
	Type of Backfill: Type I-II Forthaux Come + Volk
	Depth of Top of Seatt 3
	VIII I I I I I I I I I I I I I I I I I
	Type of Seal: 4" location it pellets (volclay) Pine to
	Depth of Top of Sand:
<u> </u>	
	Depth of Top of Screen:
	Type of Screen: Sendub CO FVC
	Slot Size x Length: 0.00 × 10
	ID of Screen:
(] ≡ [Type of Sandpack: 20-40 Silica Sand
1	20'
	Depth of Bottom of Screen:
1	Depth of Sediment Sump with Plug:
	Depth of Bottom of Borehole:

	Study Area AOC 57 Driller K. REGAN (D.L. MAHER) Boring No. 57M-95-06X Drilling Method H.S.A. (65/g " T Date Installed 10/4/95 Development Method Dedicated submo
Ground Elevation	Stick-up of Casing Above Ground Surface: 2.21 FT Type of Surface Seal/ Other Protection: QYWW Pad 2 Type of Surface Casing: PROCOVER ID of Surface Casing: U INCH Diameter of Borehole: ID INCH
	Riser Pipe ID: 4 INCH Type of Riser Pipe: Sch 40 PVC Type of Backfill: BENTONITE GROUT Depth of Top of Seal: 4 FEET Type of Seal: BENTONITE PELLET Depth of Top of Sand: 8 FEET Depth of Top of Screen: 11.87 FEET
	Type of Screen: ScH 40 PVC Slot Size x Length: D.010 INCH- 10 FEET ID of Screen: 4 INCH Type of Sandpack: #00 SAND (20/40) Depth of Bottom of Screen: 21.87 FEET Depth of Sediment Sump with Plug: 22.04 FEET Depth of Bottom of Borehole: 23 FEET

MONITORING WELL CONSTRUCTION DIAGRAM

Project <u>Fort Devens</u> Project No. <u>9144-02</u> Field Geologist—S. Montgow	Study Area ACC 57 Driller D. L. MAHER — B. BUTNC Boring No. 57M-95-07X Drilling Method 65/8" (ID) HSAs Date Installed 10-5-95 Development Method Delivated Submersions Pump Sign
Ground Elevation	Stick-up of Casing Above Ground Surface:

MONITO	RING WELL CONSTRUCTION DIAGRAM
Project No. <u>9144-02</u> E	tudy Area AOC 57 Driller D.L. MAHE — 8. EALMS oring No. 57M-95-06A Drilling Method (5/6" (ID) HSAS ate Installed 10-10-95 Development Method Dedicated submy 12
Ground Elevation	Type of Surface Seal/ Other Protection: Gravel pad Type of Surface Casing: Steel ID of Surface Casing: Steel ID of Surface Casing: Schedule 4D PVC Type of Backfill: Type To Protection 4 Type of Backfill: Type To Protection 4 Type of Sackfill: Type of Sackfill: Type To Protection 4 Type of Sackfill: Type To Protection 4 Type of Sackfill: Type Type of Sackfill: Type Type of Sackfill: Type Type of Sackfill: Type Type of Sackfill: Type Type of Sackfill: Type Type Type Type Type Type Type Type
	ABB Environmental Services, Inc.

Ground Elevation Type of Surface Seal/ Other Protection: GNNE and Type of Surface Casing: Steel ID of Surface Casing: G" Diameter of Borehole: D.9' Riser Pipe ID: Y" Type of Riser Pipe: Schodule 40 PVC Type of Riser Pipe: Schodule 40 PVC Type of Backdill: Tupe I - II. Part and ground: H Wickly with Selias ground: Depth of Top of Seal: 13 Depth of Top of Sand: 13 Depth of Top of Sard: 18 Type of Screen: Schodule 40 PVC Siot Size x Length: 0.0'0" machine Size x 10 ID of Screen: Y" Type of Sandpack: 20-40 shica Sand Depth of Bottom of Screen: 28 ' Depth of Soldment Sump with Plug: 3 NA Ground Seption of Borehole: 30' Depth of Soldment Sump with Plug: 3 NA Ground Seption of Borehole: 30'	Project Fort Devens Project No. 914402 Boring No. 57M-95-08B Date Installed 10-10-95 Development Method Dedicated automores Project No. 914402 Driller D.L.MAHER—B.Burn'S Driller D.L.MAHER Dri
	Type of Surface Seal/ Other Protection: gravel and Type of Surface Casing: Skell ID of Surface Casing: Skell ID of Surface Casing: G" Diameter of Borehole: D. 9' Riser Pipe ID: Type of Riser Pipe: Schadule 40 PVC Type of Backfill: Type of Seal: Jg' Type of Seal: Jg' Type of Seal: Jg' Type of Seal: Jg' Depth of Top of Seal: Jg' Type of Screen: Schadule 40 PVC Siot Size x Length: 0.0'0" muching slint x 16' ID of Screen: Jg' Type of Sandpack: 20 -40 silica Sand Depth of Soldment Sump with Plug: 2 NA Game Depth of Sediment Sump with Plug: 2 NA Game

-ABB Environmental Services, Inc.-

Project No. 09144-08	Boring No. 57M-96-09X Drilling Method 4.25" HSA
Tojectivo. OTT4-00	Date Installed 8-28-96 Development Method Purp of Surger
Field Geologist R. M. Coy	······································
	Stick-up of Casing Above Ground Surface: 3
Ground Elevation	Type of Surface Seal/ Other Protection: GRAVEL PAD
	Type of Surface Casing: STEEL STAND PIPE
	ID of Surface Casing: 6 "
	Diameter of Borehole:
	Riser Pipe ID: 2"
	Type of Riser Pipe: SCHD. 40 PUC
	Type of Backfill: GROST
	Depth of Top of Seal: 3.0 695
	Type of Seal: Bentonite Pellets
	Depth of Top of Sand: 8.0 1695
i	Depth of Top of Screen: 12.8 ' 69 5
	Type of Screen: SCHD, YO PUC
	Slot Size x Length: 10 5to 7 × 10 FT
	ID of Screen: 2"
	Type of Sandpack: SAND
	Depth of Bottom of Screen: 22.8' 635
	Depth of Sediment Sump with Plug: 23.0 1695
	Depth of Bottom of Borehole: 23.0 1 49.5
•	· ·

-ABB Environmental Services, Inc.-

MONITORING WELL CONSTRUCTION DIAGRAM

Project Fort De	<u>evens</u>	Study Area _	57	Driller NHR	
Project No	9144.08	Boring No.574	7-96-10X	Drilling Method HISA 4/4'	
Field Geologist		Date Installed	<u>8/30/96</u>	Development Method Runp 4	Surc
Ground Elevation			Type of Surface Type of Surface ID of Surface Continued to the surface of Boundary of Boundary of Backfill Depth of Top of Type of Seal: Depth of Top of Type of Screen Slot Size x Length of Screen: Type of Sandpart of Bottom Depth of Bottom Depth of Sedim	Pipe: PIN SOLVED POLICES Seal: O' BLAKWITE PULLESS Screen: 3' Screen: 3' Screen: 3' Screen: 3' Ack: NO. 2 SAND	₹\Z

MONITORING WELL CONSTRUCTION DIAGRAM

MONITORING WELL CONSTRUCTION DIAGRAM
PROJECT OPERATIONS PLAN
FORT DEVENS, MASSACHUSETTS

-ABB Environmental Services, Inc.-

Project <u>Fort Devens</u> Project No. <u>9/44.08</u>	Study Area 57 Driller NAR Boring No. 573-96-1/X Drilling Method 1/50 4/4
Field Geologist //. Wisc	Date installed 8/30/96 Development Method tomp + Surce
Ground Elevation	Stick-up of Casing Above Ground Surface: Z-S' Type of Surface Seal/ Other Protection: GPANEL PAIS Type of Surface Casing: STEEL ID of Surface Casing: G'' Diameter of Borehole: G'' Riser Pipe ID: 2'' Type of Riser Pipe: PVC Type of Backfill: N/A Depth of Top of Seal: G'' Depth of Top of Sand: J-S' Depth of Top of Screen: Z' Type of Screen: BVC Slot Size x Length: DO' X 10' ID of Screen: Z'' Type of Sandpack: NO. 2' Depth of Bottom of Screen: IZ' Depth of Bottom of Screen: IZ'
	Depth of Sediment Sump with Plug:
	MONITORING WELL CONSTRUCTION DIAGRAM PROJECT OPERATIONS PLAN FORT DEVENS, MASSACHUSETTS

--- ABB Environmental Services, Inc.--

Project Fort De	ovens	Study Area	57	Driller	· · · · · · · · · · · · · · · · · · ·
Project No.	914.08		7M-96-12X	Drilling Method	MA 4.25"
		Date Installed	8/29/96	Development Meti	nod Pump + Surge
Field Geologist	K. Wilson	<i>J</i>			
			Stick-up of Cas	ing Above Ground S	Surface: 3.0 ±
Ground			Type of Surface	Seal/ Other Protec	tion: GRAVEL PAS
Elevation		7	Type of Surface	Casing: STE	EL
			iD of Surface C	asing:	4"
			Diameter of Bor	rehole:6"	
			Riser Pipe ID:_	o"	
				ipe: PvC	·
·,			Type of Backfill.	11/	
				Seal: CAlin	o Surface
· .		Dr. See		RESTORTE	
		<u>ና</u>		Sand: /.3	
• •]]	Depth of Top of	Screen: 2'	
		1	Type of Screen:	OVC	
		1		1001	101
		1	Slot Size x Leng	2"	·
]	ID of Screen: -	, disn	NO
]	Type of Sandpa		12'
]	Depth of Botton		121
		_1 _1	·	ent Sump with Plug:	12'
			Depth of Botton	n of Borehole:	
			MONITOPING	WELL CONST	RUCTION DIAGRAM
				PROJECT O	PERATIONS PLAN MASSACHUSETTS

-ABB Environmental Services, Inc.-

Project Fort Deve	ens	Study Area 🕰	7	Driller NHB
1.	9144.08	Boring No. 57/		Drilling Method LICA 4, 25-19
		Date Installed		Development Method Pump + Surce
Field Geologist _	K. WI	How	· · · · · · · · · · · · · · · · · · ·	
	^			
			Stick-up of Cas	sing Above Ground Surface: 2.6
Ground Elevation			Type of Surface	e Seal Other Protection: GRAVEL PAIS
Elevation			Type of Surface	e Casing: STEEC
\			ID of Surface C	Casing: 4"
				rehole:
				2"
				Pipe:
				: N/\(\alpha\)
		, , ,,		f Seal: GROWN SWRFACE
				BENTONITE PEULETS
			Depth of Top of	f Sand: 15'
		1	Depth of Top of	f Screen:
		1	Type of Screen:	· · · · · · · · · · · · · · · · · · ·
		1	Slot Size x Leng	gth:
		1	ID of Screen: -	
]	Type of Sandpa	ack:
]]	Depth of Botton	n of Screen:
	i L	1	Depth of Sedim	ent Sump with Plug: 12
· · · · · · · · · · · · · · · · · · ·		<u></u>	Depth of Botton	n of Borehole: 12'
			MONITORING	WELL CONSTRUCTION DIAGRAM PROJECT OPERATIONS PLAN
				THOUSE OF STATE OF ST

FORT DEVENS, MASSACHUSETTS

----ABB Environmental Services, Inc.-

MONITORING WE	ELL CONSTRUCTION DIAGRAM
Project No. 91442 Boring No.	ACC 57 Driller D.L. MAHER—B. Burns 57P-95-013 Drilling Method 1-5/3" (=) HCA
Date Installed Field Geologist <u>S. MCVT Ceyルル</u> ウ	Development Method # ill djayram for associated NISTER DEPORTER 577-75-0
9	Stick-up of Casing Above Ground Surface:
Ground Elevation	Type of Surface Seal/ Other Protection:
	Type of Surface Casing: Steel groteching Cashing
	ID of Surface Casing:
	Riser Pipe ID:
	Type of Riser Pipe: Studie 40 PVC Type I-IT Portage Comunit Type of Backfill: 100 for the 1 linguing solids grown
	Depth of Top of Seal:
	Type of Seal: 14 12 11 11 11 11 11 11 11 11 11 11 11 11
	Depth of Top of Sand:
	Type of Screen: 10 57 Type of Screen: 51.24110 40 PICC
	Slot Size x Length: 0.010 "mg Dring Slot x 5"
	Type of Sandpack: 20-40 Silina Sound
	Type of Sandpack:
	Depth of Sediment Sump with Plug:
	Depth of Sottom of Borehole:
- ere sketch of most	Led prezentaters on p.88 in
"Drill Eig #2" log	licole — ABB Environmental Services, Inc.

		INOTHING WELL CONSTRUCTION DIAGRAM
Project Fort		Study Area 10C 57 Driller D. L. MAHER - B. Burne
Project No.		Boring No. 57P-95-014 Drilling Method 678" (TD) HSA's
Field Geologis	: S.Morto	Date Installed 10-11-95 Development Method
		The SPO (UCCATION FOR ASSESSED IN
	A	Westerd Hett 57P-95-01
		Stick-up of Casing Above Ground Surface: 1.55
Ground Elevation		Type of Surface Seal/ Other Protection: grains pod
		Type of Surface Casing: to Steel protective co
•		ID of Surface Casing:
		Diameter of Borehole:
		Riser Pipe ID:
		Type of Riser Pipe: Schulle 40 P.C.
•		Type of Backfill: The AT-I Portland rame of +
		Depth of Top of Seal: 1.0
		Type of Seal: 4 benterite pollete.
		Depth of Top of Sand: 15
		Depth of Top of Screen: 2.0
		Type of Screen: Schoolule 40 AVC
		Slot Size x Length: <u>0.000 miching states 5</u>
		ID of Screen:
		Type of Sandpack: 70-40 silica Sand
		Depth of Bottom of Screen:
		Depth of Sediment Sump with Plug:
		Depth of Bottom of Borehole:
	an da.i	
•	- SEC SILET	di of hasted pregomaters on p.88 in ig #2" logbook
	201 2	ig #2 /ay book
·		ABB Environmental Services, Inc.

MONITORING WELL CONSTRUCTION DIAGRAM

Project Fort Devens

Study Area AOC 57 AREA 2 Driller HLA

Project No. <u>9/44.03</u>

Boring No. 579.98.02x

Drilling Method Hans Auger Date Installed 5.26.98 Development Method N/A

Field Geologist 12. Rustan

Stick-up of Casing Above Ground Surface: 2.05

Type of Surface Seal/ Other Protection: None

Type of Surface Casing: None

ID of Surface Casing: ಬಂಬ೬

Diameter of Borehole: 3" o.b.

Riser Pipe ID: I" ID

Type of Riser Pipe: SCH 40 PVC

Type of Backfill: NATIVE

Depth of Top of Seal: ハロルモ

Type of Seal: ____ ผอผย

Depth of Top of Sand: มอน ย

Depth of Top of Screen: O.3' 73Gs

Type of Screen: 1" 10 0.010" 5107 PVC SCH 40

Slot Size x Length: 2' x 0.010" SLOT

ID of Screen: " ID

Type of Sandpack: None

Depth of Bottom of Screen: 2.3 さら

Depth of Sediment Sump with Plug: 2.3' 365

Depth of Bottom of Borehole: 2.3'

MONITORING WELL CONSTRUCTION DIAGRAM

Project Fort Devens	Study Area Ac	X 57 AREA 3 Driller HVA
Project No. 9/44.03	Boring No. <u>5</u>	7P.98.63X Drilling Method Hans Aucer
	Date Installed	5.26.98 Development Method มอพร
Field Geologist	CUSTED	
^		
· M		Stick-up of Casing Above Ground Surface: 2.0
Ground Elevation		Type of Surface Seal/ Other Protection: いるいと
(3)		Time of Surface Occions up 15
		Type of Surface Casing: אבים צ
	1921	ID of Surface Casing: ಎಲಸಿ ೯
	<i>[2]</i>	
		Diameter of Borehole: 3"
		Riser Pipe ID: 1" IS
		Type of Riser Pipe: Sch 40 Prc
<i>[/</i> 2		Type of Backfill: ハムアいと
GREAMIC		Double of Top of Cooks (April)
sandy silt		Depth of Top of Seal: νονε
1		Type of Seal: NONE
T		
₹ = 1.0°363		Depth of Top of Sand:
(5.26.98)	—	Depth of Top of Screen: 2.5' 75c-5
1 1 =		Type of Screen: SCH HO PYC
· · · · · · · · · · · · · · · · · · ·	≣	Slot Size x Length: 3' x 0.010" SLOT
GREY FINE		Slot Size x Length: 3 x 0.010 " SLOT
Sans		ID of Screen: 1" 1%
PORLY		
(P&>E> =	= 1	Type of Sandpack:
		5.5' 76.5
	_ 1	Depth of Bottom of Screen: 5.5 7365
ĺ	J	Depth of Sediment Sump with Plug: <u>5.5′ なら</u>
		· · · · · · · · · · · · · · · · · · ·
		Depth of Bottom of Borehole: 5.5 / BGS
	*	

Project Fort Devens	Study Area Acc 57 Aca 3 Driller HLA
Project No. 9144.03	Boring No. 579-98.04X Drilling Method HAND QUEER
Field Geologist	Date Installed 5.26.98 Development Method N/A
	Stick-up of Casing Above Ground Surface: Z.8(
Ground Elevation	Type of Surface Seal/ Other Protection: NA
THE STATE OF THE S	Type of Surface Casing:
0-1'	ID of Surface Casing:
ORGANIC	Diameter of Borehole: 3"
SAUDY SILT	Riser Pipe ID:
	Type of Riser Pipe: Sch 40 PVC
\$. 0.5' Bus	Type of Backfill: ΝΑΤΙ√Σ
(5.26.98)	Depth of Top of Seal: NA
	Type of Seal:ハム
1-2'	Depth of Top of Sand:NA
GREY FINE	Depth of Top of Screen: 2' 3GS
PROPELY GRADED	Type of Screen: SCH 40 PVC
2-5'	Slot Size x Length: 3' x o.o/"
Red Grown	ID of Screen:
POOPELY GRADED	Type of Sandpack:
	Depth of Bottom of Screen: 5′ 3GS
	Depth of Sediment Sump with Plug: 5 3GS
	Depth of Rottom of Rosehole: 5' BGS

GEOPHYSICAL INVESTIGATION DATA AND ANALYSIS

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1.0 Introduction

Geophysical surveying was completed over AOC 57 at the former Fort Devens in Ayer, MA. Geophysical work was conducted in two separate areas in September 1995 and August 1996. Several geophysical techniques were employed at AOC 57 to screen for the presence or absence of buried waste at the site.

2.0 Equipment and Survey Methodology

Four types of geophysical surveys were conducted at AOC 57 and include an EM-61 Time Domain Metal Detection survey, an EM-31 electromagnetic ground conductivity survey, a GEM gradiometer survey, and a ground-penetrating radar survey. A Geonics, Inc. EM-61 High Resolution Time Domain Metal Detector was used to determine the presence of ferrous as well as non-ferrous metallic wastes. A Geonics, Inc. EM-31 Electromagnetic Ground Conductivity instrument was used to detect the presence of conductive wastes. A GEM-19 gradiometer was used to measure deviations in the earth's magnetic field to determine the presence of ferrous objects. A GSSI System III GPR unit equipped with a 500 megahertz antenna was used to profile selected electromagnetic and magnetic anomalies.

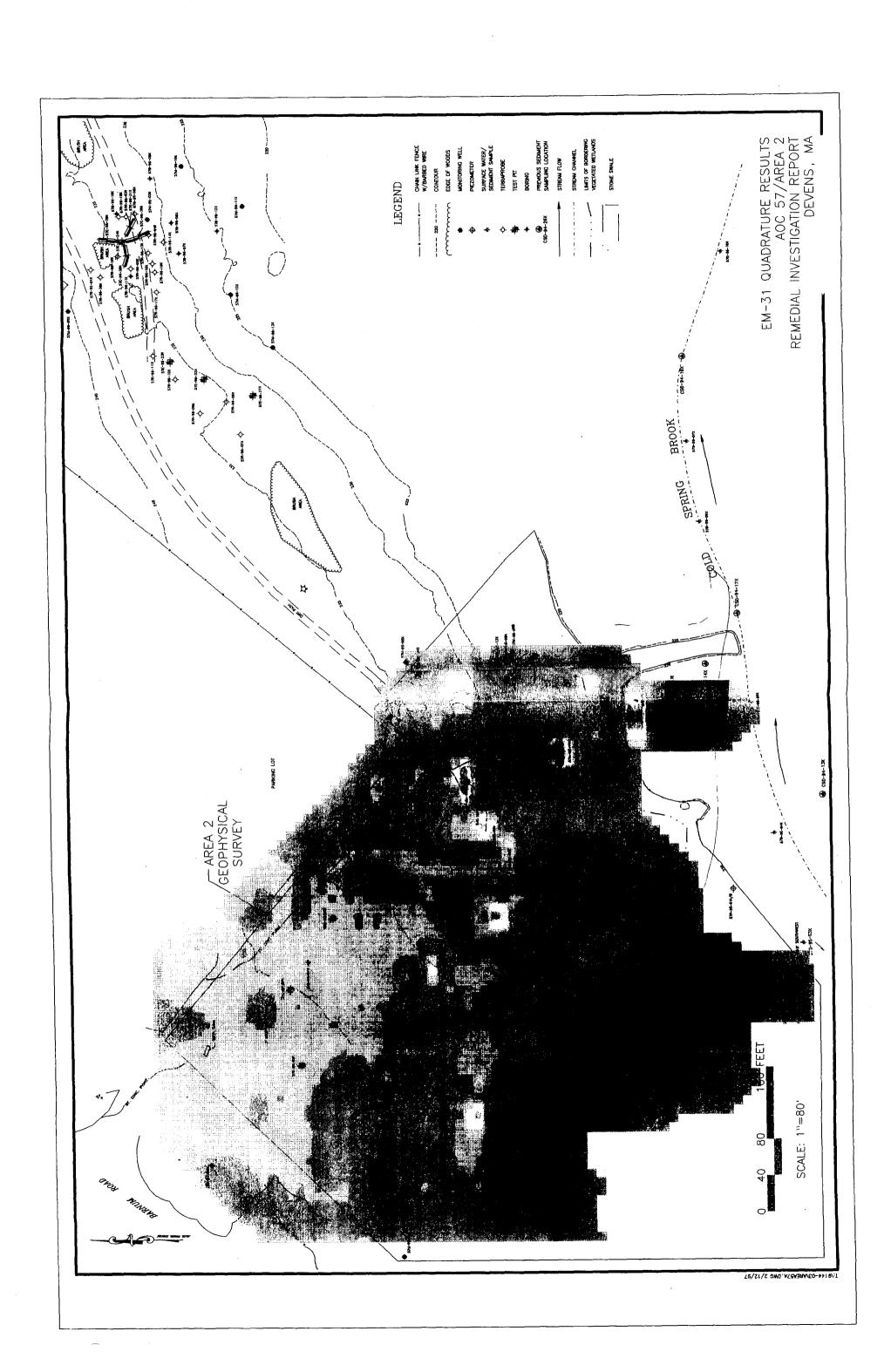
Prior to geophysical surveying a 50 by 50 foot grid was established using a tape and compass. Pin flags and blaze orange marking paint were used to identify grid nodes. Data was collected with reference to the preestablished survey grid by pacing. EM-31 and EM-61 surveys were conducted concurrently along survey lines spaced ten feet apart. EM-61, EM-31, and gradiometer measurements were collected every five feet along each survey line. GPR data was collected along selected lines in order to profile EM-31 and EM-61 anomalies. EM-31 and EM-61 data was collected with data loggers. Data was downloaded to a computer and processed using various geophysical software applications.

3.0 Results

The lateral extent of geophysical surveying is shown on the attached Figures. EM-31, EM-61, and gradiometer surveying indicated the presence of several anomalies across the

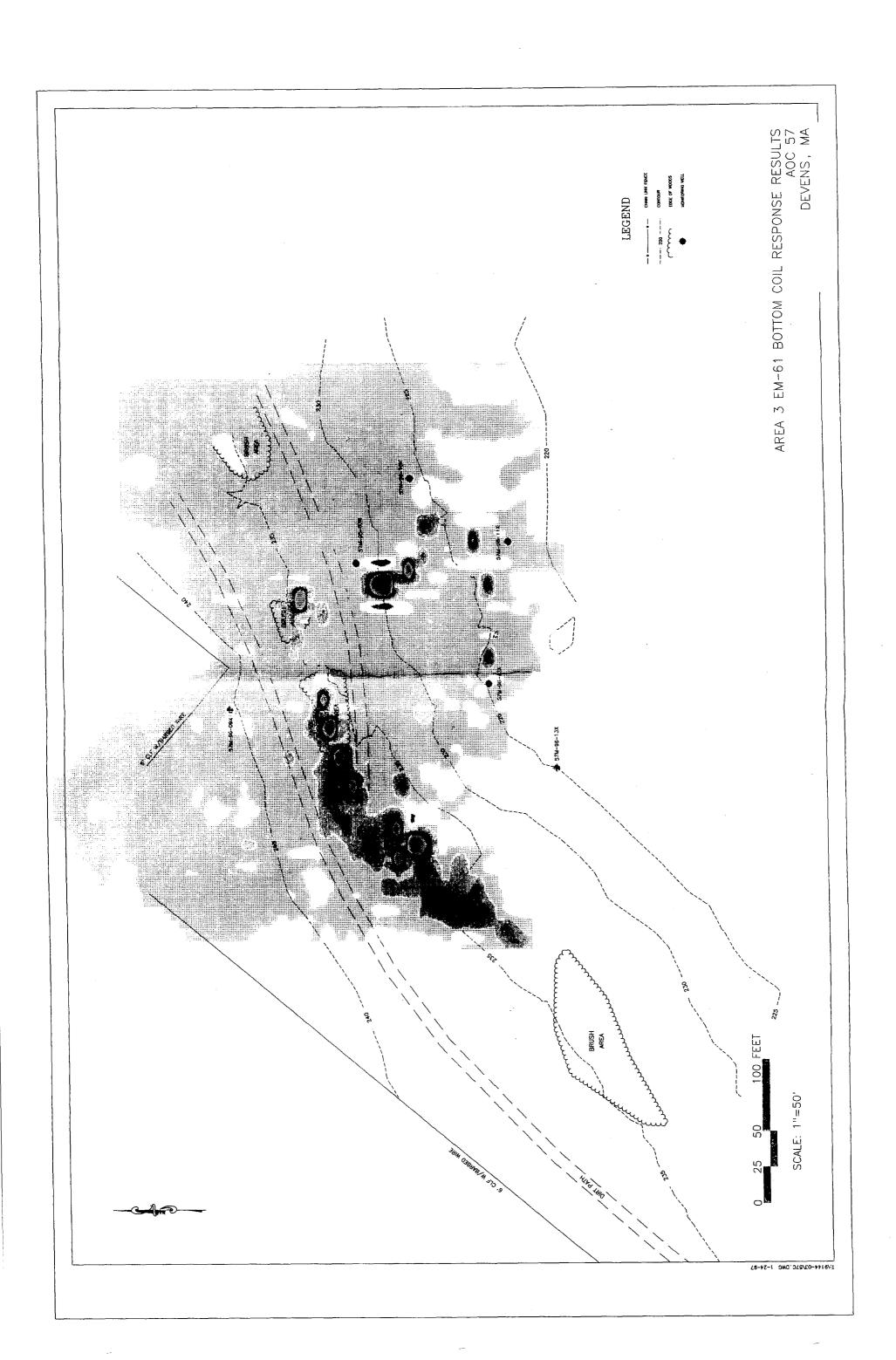
survey areas. The most prominent anomalies are contemporaneous with the escarpment which parallels the drainage area bordering the southern portion of the site. This suggests that whatever materials were dumped in this area appear to have disposed of just over the edge of the bank. Surface debris was observed along the escarpment and included motor vehicle parts, glass, concrete with rebar, and razor wire. Test pitting was conducted at selected locations of high amplitude EM anomalies that could not be attributable to the presence of surfacial metallic objects or debris.

W002979app.c March 13, 1997









QUALITY CONTROL RESULTS AND ASSESSMENT

- D-1 1993 ON-SITE AND OFF-SITE LABORATORY DATA
- D-2 1996 ON-SITE LABORATORY DATA
- D-3 1996 OFF-SITE LABORATORY DATA
- D-4 1998 OFF-SITE LABORATORY DATA (SUPPLEMENTAL RI)
- D-5 1999 OFF-SITE LABORATORY DATA (AREA 3 SOIL REMOVAL)

1993 ON-SITE AND OFF-SITE LABORATORY DATA

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D.1.0 INTRODUCTION

This Data Quality Report (DQR) provides a detailed data quality assessment for off-site analytical data generated during site investigations conducted at Fort Devens during the fall 1995 at Areas of Concern (AOCs) 57, 63AX, and 69W. The DQR also addresses data collected in February of 1996, during the Round 2 Groundwater sampling event at AOCs 57, 63AX and 69W. The data quality assessment for the Round 2 Groundwater sampling event is presented separately within this report.

Samples collected during the investigations for off-site laboratory analyses were submitted to Environmental Science and Engineering (ESE), Gainesville, Florida. All laboratory data generated during the sampling programs were reviewed in terms of data quality objectives (DQOs) established in the Fort Devens Project Operations Plan (POP) (ABB-ES, 1995), published analytical methods (USEPA, 1988a; USEPA, 1989a) or applicable USEPA data validation guidelines (USEPA, 1988b; USEPA, 1989b). DQOs refer to a set of qualitative and quantitative statements that assess the data generated during the sampling and analysis phases of the project. The DQOs are defined by the parameters of precision, accuracy, representativeness, completeness, and comparability (PARCC). These parameters present an indication of the data quality, and the confidence that a particular compound may be present or absent in an associated environmental sample. This report describes the analytical methods performed at the on-site and off-site laboratories, and presents an assessment of data quality and usability for samples collected during the field investigations.

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D.1.1 OFF-SITE LABORATORY ANALYTICAL METHODS

Subsurface soil, sediment, groundwater, and surface water samples were collected during the 1995 Fort Devens Site Investigation. Groundwater samples were collected during the Round 2 sampling event. Samples were analyzed for chemical parameters on the Fort Devens Project Analyte List (PAL). The PAL and analytical methodologies are outlined in the Fort Devens POP (ABB-ES, 1995). The analyses performed are summarized on Table D-1.

The USEPA has recently identified two general levels of analytical data quality, Screening with Definitive Confirmation and Definitive Data, which replace the former five levels of data quality (USEPA, 1993). All off-site laboratory data are considered Definitive Data.

The contract laboratory which completed analyses of all off-site analytical samples was Environmental Science and Engineering (ESE), Gainesville, FL. All analyses run by the contract laboratory were completed implementing the 1990 U.S. Army Toxic and Hazardous Materials Agency (USATHAMA) QA Program (USATHAMA, 1990). Method performance demonstration, data management, and oversight for USATHAMA analytical procedures are currently performed by the U.S. Army Environmental Center (USAEC). A discussion of AEC-certified methods used by ESE Laboratories for samples collected at Fort Devens is provided in Section 7.0 of the Fort Devens POP (ABB-ES, 1995) and methods are listed in Table D-1. This table includes a description of the methods used as well as equivalent EPA methods, where they exist. The USAEC method numbers (i.e., method JS16) are specific to the project and to the particular laboratory

performing the analyses. For some analyses standard USEPA methods are used. These methods are also indicated on Table D-1.

A detailed discussion of the USAEC laboratory QA program is presented in Section 3.0 of this RI. The laboratory must document proficiency using each of the methods by meeting USAEC performance protocols. Once the laboratory has demonstrated this proficiency, they become certified to perform that particular method. It is through this certification process that certified detection limits (CRLs) are established. CRLs for USAEC methods and reporting limits (RLs) for standard USEPA methods are presented in Appendix B of the Fort Devens POP (ABB-ES, 1995).

D.2.0 OFF-SITE LABORATORY QUALITY CONTROL BLANK RESULTS

A quality control review was completed for off-site QC blanks including method blanks, rinse blanks and trip blanks which were analyzed at an off-site laboratory. Blank samples provide a measure of contamination that may have been introduced into a sample set either (1) in the field while samples were being collected or transported to the laboratory, or (2) in the laboratory during sample preparation and analysis. This discussion is intended to provide an evaluation of data generated at this laboratory based on method blank and field quality control blank data.

D.2.1 METHOD BLANKS

Method blanks were analyzed at the laboratory with each lot of samples to evaluate if sample processing and analysis resulted in sample contamination. Method blanks were performed for both water and soil samples for the following chemical classes: inorganics, VOCs, SVOCs, pesticides/PCBs. Method blanks were also analyzed using USEPA methods for hardness, alkalinity, TOC, TPHC, TDS, and TSS.

D.2.1.1 Inorganics

Four aqueous method blanks were analyzed by the laboratory for PAL inorganics during the 1995 Field Investigation. During the Round 2 Groundwater sampling event three aqueous method blanks were analyzed. All results for aqueous method blanks were below the respective CRLs indicating there was no inorganic contamination introduced at the laboratory.

Three soil method blanks were analyzed in association with field samples from the 1995 Fort Devens Investigation. Several elements were detected in soil method blanks. The frequency and concentration ranges of elements detected in these blanks are summarized in Table D-2. All results for mercury, selenium, arsenic thallium, antimony, silver, beryllium, cadmium, copper, chromium, cobalt, sodium, nickel, lead, vanadium, and zinc were below the CRLs.

Soil method blank analyses were conducted by the laboratory using a USAEC approved soil as the matrix. A Rocky Mountain Blend soil type was used. The high frequency and concentrations of many of the inorganics are due to background levels inherent in this soil and are consistent with previous data collected from analysis of this soil blend. As a result, elements reported for soil method blanks are not believed to represent laboratory introduced contamination.

Based on soil and aqueous method blank results, significant inorganic contamination was not introduced during laboratory handling and analysis.

D.2.1.2 VOCs

Method blanks were run with each lot of water and soil samples to determine if VOCs were introduced during laboratory handling and analysis.

Seven aqueous method blanks were analyzed for VOC contamination during the 1995 Field Investigation. No target compound results were above CRLs with the exception of acetone, methylene chloride, and chloroform. The concentration and frequency of detection for these compounds are shown in Table D-3.

Acetone and methylene chloride are considered common laboratory contaminants (USEPA, 1988b) and were likely introduced during laboratory handling. Chloroform is commonly produced in chlorinated drinking water supplies. The source of the chloroform in method blanks could potentially have been the off-site laboratory. These results indicate that low concentrations of acetone, methylene chloride, and chloroform may have been introduced during laboratory handling. Field samples collected at Fort Devens during the 1995 Site Investigation with detections of these compounds at similar concentrations may not be representative of site conditions.

Three aqueous method blanks were analyzed for VOC contamination during the Round 2 Groundwater sampling event. No results for target VOCs were above CRLs.

Ten method blanks were analyzed for VOCs in soil during the 1995 Field Investigation. No method blank compound results were at concentrations above the CRLs with the exception of toluene. Toluene was detected in two out of ten

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method blanks at concentrations ranging from 0.00096 μ g/g to 0.001 μ g/g. Theses results indicate that low concentrations of toluene may have been introduced during laboratory handling. Field samples collected at Fort Devens during the 1995 Field Investigation with similar concentrations of toluene may not be representative of site conditions.

D.2.1.3 SVOCs

Five aqueous method blanks were analyzed for SVOC contamination during the 1995 Field Investigation and three during the Round 2 Groundwater sampling event. The concentrations and frequency for compounds detected in aqueous method blanks are outlined in Table D-4. With the exception of diethyl phthalate and bis(2-ethylhexyl)phthalate, no target SVOCs were reported at concentrations above CRL values. Phthalates are referenced as common laboratory contaminant by the USEPA (USEPA, 1988b). Concentrations of diethyl phthalate and bis(2-ethylhexyl)phthalate reported in Fort Devens field samples may have been introduced as laboratory contamination. Dioctyl adipate (hexanedioic acid), dioctyl ester, and toluene, which are tentatively identified compounds (TIC) or non-target SVOCs, were also detected in method blanks.

Twelve method blanks for soil were analyzed for SVOC contamination during the 1995 Field Investigation. The concentrations and frequency for compounds detected in soil method blanks are outlined in Table D-5. No target SVOC results were at concentrations above CRLs with the exception of di-n-butyl phthalate. Di-n-butyl phthalate is considered a common laboratory contaminant by the USEPA (USEPA, 1988b) and was likely introduced during laboratory

sample handling and extraction. Samples with similar concentrations of this compound are not considered representative of site conditions.

D.2.1.4 Pesticides/PCBs

Five aqueous method blanks and seven soil method blanks were analyzed for pesticide compounds and PCB during laboratory sample preparation and analysis during the 1995 Field Investigation. In addition, three water method blanks for PCBs and four water blanks for pesticides were analyzed for the Round 2 Groundwater sampling event. No pesticides/PCBs target compounds were at concentrations above CRL values, indicating no laboratory sample contamination occurred.

D.2.1.5 TPHC

Several analytical methods were used to measure and characterize petroleum hydrocarbons in aqueous method blanks. During the 1995 Field Investigation, five water method blanks were analyzed for total petroleum hydrocarbons (TPHC) by USEPA Method 418.1; four soil method blanks were analyzed for TPHC as diesel, gasoline and aviation gasoline by modified USEPA Method 8015; and six soil method blanks were analyzed for TPHC using USEPA Method 9071 to extract the soils followed by a method 418.1 analysis. One soil method blank analyzed by USEPA Method 9071/418.1 had 23 μ g/g of TPHC reported. All other method blank results form the 1995 Field Investigation were below the corresponding RLs.

Two water method blanks were analyzed for TPHC by Method 418.1 during the Round 2 Groundwater sampling event with results below the RLs.

Based on method blank results, the off-site laboratory is not believed to be a significant source of TPHC contamination for the Fort Devens field samples; however, low concentrations (approximately 23 μ g/g) of TPHC in soils may represent laboratory contamination..

D.2.1.6 USEPA Methods for Water Quality Parameters

Method blanks were analyzed using USEPA methods for the following parameters: nitrate and nitrite-nitrogen, kjeldahl-nitrogen, anions (chloride and sulfate), total phosphate, hardness, alkalinity, TOC, TDS, and TSS.

Four water method blanks were analyzed during the 1995 Field Investigation and two during the Round 2 Groundwater sampling event for nitrate and nitrite nitrogen using USEPA Method 352.1. No blanks had concentrations above the CRL of 10 μ g/L. Nitrogen was also analyzed using the kjeldahl method for organic nitrogen, USEPA Method 351.2. Three water method blanks were analyzed in association with the 1995 Field Investigation and two for the Round 2 Groundwater sampling event. All results were less than the RL of 183 μ g/L.

Four water method blanks (three during the 1995 Field Investigation and one during the Round 2 Groundwater sampling event) were analyzed for total phosphate by USEPA Method 365.2. All results were less than the CRL of $13.3 \mu g/L$.

APPENDIX D

Anions in water (bromide, chloride, fluoride, and sulfate) were evaluated using ion chromatography, USEPA 300 Series Methods (USEPA, 1983). During the 1995 Field Investigation, one method blank was analyzed for bromide and fluoride, and four method blanks were analyzed for chloride and sulfate. Three additional water method blanks were analyzed in association with Round 2 Groundwater sampling event. All results for these method blanks were less than the corresponding CRLs.

During the 1995 Field Investigation, five water method blanks were analyzed for total dissolved solids (TDS) and total suspended solids (TSS) using USEPA Methods 160.1 and 160.2, respectively. One method blank contained TDS at 17000 μ g/L and TSS at 8000 μ g/L. The TDS and TSS concentrations for all other method blanks were below the RLs of 10,000 μ g/L and 4,000 μ g/L, respectively. Four water method blanks were analyzed during the Round 2 Groundwater sampling event for TDS and TSS. One blank contained TDS at 16,000 μ g/L compared to the RL of 10,000 μ g/L. TSS was detected in two method blanks at 6,000 μ g/L and 7,000 μ g/L compared to the RL of 4,000 μ g/L. These results indicate that low concentrations of TDS and/or TSS may be reported due to laboratory processing.

Two aqueous method blanks were analyzed for hardness (USEPA Method 130.2) during the 1995 Field Investigation and four during the Round 2 Groundwater sampling event. All method blank results for hardness were below the RL of $1,000 \mu g/L$.

Three water method blank samples were analyzed for alkalinity (USEPA Method 130.1) during the 1995 Field Investigation, and three during the Round 2

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Groundwater sampling event. Three of these method blanks had alkalinity reported at 1,000 μ g/L compared to the RL of 5,000 μ g/L.

Four soil method blanks were analyzed during the 1995 Field Investigation for total organic carbon (TOC) concentrations using USEPA Method 9060. The TOC concentrations for these blanks were below the CRL of 360 μ g/g.

Based on method blanks results for samples analyzed by USEPA methods, the data collected during the Fort Devens Site Investigation was not significantly impacted by laboratory contamination.

D.2.2 FIELD QUALITY CONTROL BLANKS

Field quality control blanks which were analyzed at the off-site laboratory include, rinse blanks, and trip blanks. Results from analyses of the field quality control blanks were used to evaluate the potential for contamination of samples during collection and shipment and processing at the off-site laboratory.

D.2.2.1 Rinse Blanks

Rinse blanks were used to evaluate the potential for field sampling (e.g., insufficient cleaning of sampling equipment) cross contamination of site samples. Rinse blanks were collected by pouring previously analyzed deionized water over sampling equipment (i.e., split-spoons, trowels, and shelby tubes) and into sample containers. Dedicated sampling equipment was used for the Round 2 Groundwater sampling event so collection of rinse blanks was not done. The rinse blanks collected during the 1995 Fort Devens Investigation were analyzed for the following chemical classes: inorganics, VOCs, SVOCs, and pesticides. Rinse blanks were also analyzed by USEPA methods for TOC and TPHC.

Inorganics. Six rinse blanks were analyzed for PAL elements during the 1995 Field Investigation. PAL elements were not detected at concentrations above the CRLs with the exception of mercury, lead, iron, potassium, and manganese. The concentration range and frequency of detection for these elements is shown in Table D-6. Detections of these elements may represent residual contamination left on the sampling equipment prior to the rinse blank collection. In general, the rinse blank data indicate that decontamination procedures were effective in the removal of residual inorganic contamination from the sampling equipment.

<u>VOCs</u>. Six rinse blanks were analyzed for VOCs during the 1995 Field Investigation. The concentration range and frequency for VOCs detected in rinse blanks above the CRL are shown in Table D-7.

The USEPA considers methylene chloride and acetone common laboratory contaminants (USEPA, 1988b). These compounds were detected in the method

blanks as well as the rinse blanks, indicating they may represent laboratory contaminants. Fort Devens field samples with detections of these compounds at similar concentrations should be considered laboratory related contamination.

Detections of carbon tetrachloride, chloroform, and 1,1,1-Trichloroethane in Fort Devens Field samples at concentrations similar to those detected in rinse blanks (Table D-7) may be related to field sampling or decontamination procedures.

SVOCs. Six rinse blanks were collected during the 1995 Field Investigation and analyzed for SVOCs. The concentration range and frequency of detection for semivolatile compounds detected in rinse blanks is shown in Table D-8. With the exception of bis(2-ethylhexyl) phthalate and benzyl alcohol, all results for target SVOCs were at concentrations below CRLs. The presence of low concentrations of benzyl alcohol in Fort Devens field samples may be attributed to field sampling activities and not representative of actual site conditions. The USEPA Region I considers phthalates as common laboratory contaminants (USEPA, 1988b). Phthalates were detected in the method blanks as well as the rinse blanks indicating that they were likely introduced as laboratory contamination.

Several SVOC TICs including N,N-diethyl-3-methylbenzamide (N,N-diethyl-m-tolumide), and benzyl adipate were detected in one rinse blank. Six additional unknown non-target SVOCs were detected in the rinse blanks at concentrations ranging from 4 μ g/L to 10 μ g/L; however, most of these unknown constituents were also detected in the method blanks indicating that the contamination was laboratory related.

<u>Pesticides/PCBs</u>. Four rinse blanks were analyzed for pesticides and PCBs during the 1995 Field Investigation. All results for pesticides and PCBs were below CRLs. The lack of pesticides and PCBs detected indicates there is no evidence of cross contamination during field sampling.

<u>USEPA Methods</u>. During the 1995 Field Investigation, three rinse blanks were analyzed for TOC and all results were at concentrations below the RL of $1000 \ \mu g/L$. Six rinse blanks were analyzed for TPHC. Concentrations of TPHC in all blanks were below the RL of $100 \ \mu g/L$. These data indicate contamination of TOC and TPHC during field sampling did not occur.

D.2.2.2 Trip Blanks

Trip blanks are analyzed to assess the potential for cross contamination of VOCs during sampling, transit, and storage. The trip blank consists of a VOA sample container filled at the contract laboratory with DI/carbon filtered water and shipped to the site with the other VOA sample containers. Trip blanks were included with each shipping container of field VOC samples.

Sixteen trip blanks were collected and analyzed in association with samples analyzed for VOCs from the Fort Devens 1995 Site Investigation and two from the Round 2 Groundwater sampling event. Target VOCs and associated TICs detected in the trip blanks, including the frequency and range of concentrations are shown in Table D-9.

The USEPA considers acetone and methylene chloride common laboratory contaminants (USEPA, 1988b). Acetone, methylene chloride, and chloroform

were detected in the method blanks as well as the trip blanks indicating they were introduced at the laboratory. Fort Devens field samples with concentrations of these compounds in the range detected in trip blanks and method blanks, are not considered representative of site conditions at Fort Devens.

The presence of carbon tetrachloride and tetrachloroethene in trip blanks indicates that cross contamination may have occurred in shipment or handling of the field samples. However, no carbon tetrachloride or tetrachloroethene was detected in samples from AOC 63AX.

D.3.0 ACCURACY OF OFF-SITE LABORATORY DATA

Accuracy is a quantitative parameter that determines the nearness of a result to its true value. Accuracy measures the bias in a measurement system. The accuracy of each analytical method was evaluated based on percent recoveries for matrix spikes and/or surrogate standards.

A matrix spike is a sample of a particular matrix to which predetermined quantities of standard solutions of certain target analytes were added prior to sample extraction/digestion and analysis. Samples were spilt into replicates, one replicate was spiked and both aliquots were analyzed.

Accuracy was also evaluated using the recovery of surrogate standards in the volatile and semivolatile analyses. Surrogate standards are organic compounds which are similar to the analytes of interest in chemical composition, extraction, and chromatography, but which are not normally found in environmental samples. These compounds are spiked into all volatile and semivolatile samples prior to analysis.

Percent recovery of matrix spikes and surrogate spikes provide and indication of data accuracy and potential data bias from matrix related effects. Percent recovery was calculated using the equation shown in Section 3.3 of the Fort Devens POP (ABB-ES, 1995). The percent recovery for these QC samples were evaluated and are discussed below.

D.3.1 MATRIX SPIKES

Soil, sediment, surface water and groundwater samples were used for matrix spike and matrix spike duplicate analysis. Spiked samples were analyzed for hardness, alkalinity, nitrate and nitrite-nitrogen, kjeldahl-nitrogen, sulfate, total phosphate, TPHC, TOC, PAL inorganics, and PAL pesticide/PCBs. Matrix spike and matrix spike duplicate (MS/MSD) samples were collected at a rate of one per twenty environmental samples. A summary of all MS/MSD data collected during the Fort Devens Site Investigations are presented in Table D-10 and Table D-11.

The spike data for all samples collected during 1995 Fort Devens Site Investigation were evaluated together, and are discussed below as one data set. Similarly, all groundwater spiked samples collected during the Round 2 Groundwater sampling event were evaluated collectively. The data have been segregated by method and by analytical parameter to show recovery trends of the individual spiked analytes. In the tables, matrix spikes have been paired with the corresponding matrix spike duplicates to make recovery comparisons. The average recoveries, and maximum and minimum recoveries for water samples (surface water and groundwater) and solid media (subsurface soil and sediment) are presented to measure trends for each particular method. The criteria used for interpreting MS/MSD data are taken from USEPA CLP analytical protocols (USEPA, 1988a; USEPA, 1989a) and the Fort Devens Project Operations Plan (ABB-ES, 1995).

D.3.1.1 Inorganics

Matrix spike analysis was completed for recoveries of PAL elements. USEPA CLP guidelines specify control limits of recovery for inorganic MS/MSD 75% to 125% (USEPA, 1988). The majority of PAL elements had recoveries within USEPA control limits. A subset of elements had recoveries outside these limits. Elements with at least one MS/MSD recovery outside USEPA CLP limits are presented in Table D-12.

Groundwater, 1995 Field Investigation. The following samples were spiked with target elements: one filtered and unfiltered groundwater sample from AOC 57; one unfiltered groundwater sample from AOC 69W; one filtered groundwater and two unfiltered groundwater samples from AOC 63AX. Elements with recoveries outside the USEPA CLP limits include mercury, arsenic, antimony, calcium, iron, and manganese.

For the elements arsenic, calcium, manganese, and iron, all matrix spike concentrations were low relative to concentrations already present in the sample. For example, the spike concentration for calcium was $10,000 \mu g/L$ compared with sample concentration which was $52,800 \mu g/L$. USEPA Region 1 data validation guidelines (USEPA, 1989b) specify spike concentrations be greater than four times the sample concentration for data qualification actions to reply. Since the spike concentration is insignificant relative to the sample concentration, an accurate matrix spike recovery cannot be measured. Based on these results, results for arsenic, calcium, and manganese in groundwater are not qualified in this RI.

Percent recoveries for mercury and antimony were slightly below the lower CLP control limit of 75% in a small subset of samples. Low recoveries for antimony and mercury were only observed in one or two of sixteen samples, respectively. Based on this data, mercury and antimony data for aqueous samples is not qualified.

Groundwater, Round 2. The following samples were spiked with target elements: one filtered and unfiltered groundwater sample from AOC 57, 63AX and 69W; and one additional unfiltered groundwater sample from AOC 63AX. The majority of PAL elements had recoveries within USEPA control limits. A subset of elements had results outside these limits. Elements with recoveries outside the USEPA CLP limits include lead, selenium, arsenic, antimony and manganese.

Spike recoveries for arsenic in one out of fourteen samples were above the upper control limit of 125%. The recovery in this sample was 135.7%; however, the spiked sample duplicate recovery was acceptable (124.3%). The low frequency of outlier recoveries for arsenic indicate there was minimal matrix related effects and no qualification of results was conducted.

For manganese, the matrix spike concentration was low relative to concentrations already present in the sample so matrix spike recovery cannot be measured.

Low spike recoveries were reported for lead and selenium in both the filtered and unfiltered sample and duplicate from AOC 57 (MXG302X2). These data suggest there may be some matrix interference in AOC 57 groundwaters reported for lead and selenium. Lead and selenium were not detected in any samples. CRLs

reported for these elements should be considered estimated and potentially biased low. Lead and selenium recoveries in the remaining ten samples evaluated were all acceptable.

The percent recoveries for antimony were low in several spiked samples. A total of six out of fourteen spiked samples had recoveries below the lower control limits. Outlier recoveries ranged from 39.5% in the sample and sample duplicate MXG302X2 and MDG302X2 to 74.9% in sample MXAX08A2. Antimony was not detected in any groundwater samples. Based on these data, antimony CRLs for aqueous samples are considered estimated and potentially biased low.

Surface Water. One surface water sample from AOC 57 (WX5705XX), including both filtered and unfiltered samples, was spiked with target elements. All elements had percent recoveries for MS/MSDs within the USEPA CLP limits with the exception of iron. The MS for iron in the filtered surface water sample had a recovery of 129%; however, iron recovery for the filtered MSD was acceptable (118%) and results are not qualified. Recoveries of iron in the unfiltered sample were acceptable. Overall, the inorganic spike data indicate that aqueous concentrations were not significantly influenced by matrix effects.

<u>Soil</u>. Five soil MS/MSD samples were analyzed for PAL inorganics; for lead analyses three matrix spike and matrix spike duplicate samples were analyzed by GFAA and two by ICP. The majority of PAL elements had recoveries within CLP limits. Elements for which at least one MS/MSD recovery was not within USEPA CLP limits are presented in Table D-13.

For the elements aluminum and iron, all matrix spike concentrations were low relative to concentrations already present in the sample. Since the spike concentrations were insignificant relative to sample concentrations, matrix spike recoveries were not assessed.

The elements mercury, selenium, lead (by GFAA), arsenic, manganese, and nickel in soil had MS/MSD recoveries above and below the USEPA CLP recovery range. The frequency at which the recovery was outside the USEPA CLP limits, and corresponding recovery ranges are shown in Table D-13.

For mercury, MS/MSD recoveries in soil sample EX571501 from AOC 57 were below the USEPA control limits; however, recoveries in the other eight spiked samples were within the control limits. Overall, mercury concentrations for soil samples are acceptable based on the MS/MSD recovery data, and qualification of the data was not conducted.

One selenium MS/MSD pair had recoveries just below the lower control limit, and two other pairs had recoveries above the upper control limit. Based on spike recovery data, positive detections of selenium in soil are considered estimated with no particular low or high bias.

The recovery of lead by GFAA ranged from 50% to 60% in two of the three MS/MSD pairs, slightly below the lower limit of 75%. Recoveries in the third pair were 23.7% and 140.5%. Recoveries of lead in the two pairs of MS/MSD analyzed by ICP were all acceptable. Results indicate lead results for soil analyzed by GFAA are estimated, and results may be biased low.

Five out of ten spiked soil samples had arsenic recoveries above the USEPA control limit. One spiked soil sample (BXAX0206) was reported below the lower limit; however, the spike concentration in this sample was low relative to the concentration already present in the sample so recovery evaluations could not be made. The high recoveries of arsenic in 50% of the spiked soil samples indicate that there may be some matrix interference. Results for arsenic in soil samples should be considered estimated and potentially biased high.

Manganese recoveries were outside the control limit in seven out of the ten MS/MSD samples. However, with the exception of one sample (BX570319), all MS were low relative to the sample concentration making the comparison invalid. The recovery in the sample BX570319 (68.6%) was just below the lower control limit of 75%. Due to the low frequency of valid outlier recoveries of manganese, the soil matrix does not appear to have significantly impacted the data. Qualification of manganese data based on spike recoveries in soil was not conducted.

The recovery for nickel (128.3%) in soil sample BXAX0206 was slightly above the upper control limit. All nine other MS/MSD recoveries ranged from 104% to 118%. Based on theses results, recovery of nickel in soil does not appear to be impacted by the soil matrix. Qualification of nickel data for soil was not conducted.

<u>Sediment</u>. Two sediment MS/MSD samples were analyzed for PAL inorganics; for lead analyses one MS/MSD sample was analyzed by GFAA and one by ICP. The majority of PAL element recoveries were within CLP control limits.

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Elements for which at least one MS/MSD recovery was not within USEPA CLP limits are presented in Table D-14.

For the elements aluminum and iron, all matrix spike concentrations were low relative to concentrations already present in the sample. Since the spike concentration is insignificant relative to sample concentrations, an accurate matrix spike recovery was not evaluated.

The elements arsenic, antimony, and manganese in sediment samples had MS/MSD recoveries above and below the acceptable USEPA CLP recovery range. The frequency at which the recoveries were outside the USEPA CLP limits and the recovery ranges are shown in Table D-14.

The arsenic MS/MSD recoveries for one out of the two sediment samples were approximately 12%, well below the USEPA control limits. The sample was DX2W0200 collected from AOC 69W. Due to the low MS recovery, positive results for arsenic in sediment samples from AOC 69W should be considered biased low, and non-detect results are unusable.

Percent recoveries for antimony in sediment samples were slightly above the upper USEPA control limit of 125% in two of the four samples. The recoveries in these samples were 126% and 126.7%, indicating that matrix effects for sediment were minimal. All sediment results for antimony are considered acceptable based on the MS/MSD results for accuracy, and qualification of the data was not conducted.

Manganese recoveries for MS/MSDs in sediment were acceptable in three of the four samples analyzed. The recovery in one MS for sample DXZW0200 from AOC 69W was only 4%, well below the USEPA control limit of 75%. Due to the low MS recovery, positive results for manganese in sediment samples from AOC 69W should be considered biased low, and non-detect results should be considered unusable.

D.3.1.2 Pesticides/PCBs

Pesticide and PCB compounds were spiked into groundwater, surface water, soil and sediment samples to evaluate matrix effects. Nine target pesticide and two PCB compounds were used for spiking including endosulfan I, endosulfan II, aldrin, dieldrin, endrin, heptachlor, isodrin, lindane, methoxychlor, 4,4'-DDT, aroclor 1016, and aroclor 1260. Percent recoveries for pesticides were compared to the USEPA CLP guidelines (USEPA, 1988) control limits. The USEPA CLP guidelines do not specify limits for spike recoveries of endosulfan I, endosulfan II, isodrin, methoxychlor, and PCBs. For these compounds, the surrogate recovery control limits of 30% to 150% specified in the USEPA CLP Guidelines (USEPA, OLM03.1 August 1994) were used as guidance in evaluating spike recoveries.

Groundwater, 1995 Site Investigation. Three groundwater samples, one from AOC 57, 63AX and 69W, were spiked with pesticides and PCBs. Recoveries were within USEPA limits for all spike compounds with the exception of aldrin in one of six spiked samples. A recovery of 121% was reported. This exceeds the upper control limit of 120%. Due to the low frequency of recoveries out of limits no qualification of results is done.

Groundwater, Round 2. Three groundwater samples, one from each of the AOCs 57, 63AX and 69W, were spiked with target pesticides. Two groundwater samples, one from AOC 63AX and one from AOC 69W were spiked for PCBs. The recoveries of all analytes were within USEPA limits.

<u>Surface Water</u>. One surface water sample from AOC 57 was spiked with target pesticides and PCBs. All spike recoveries were within the USEPA CLP control limits for aqueous samples. The aqueous MS/MSD recovery data for pesticides/PCBs indicate that there were no matrix effects and qualification of the data was not required.

<u>Soil</u>. Four MS/MSD soil sample pairs from AOC 57 were spiked with pesticide and PCB compounds. The majority of spike analytes were within recovery limits. Analytes for which at least one MS/MSD recovery was not within USEPA CLP limits are presented in Table D-15.

The recovery of endosulfan II in soil sample EX571502 exceeded the upper control limit in both the MS and MSD. However, recoveries of endosulfan II in the three other spiked sample pairs were within limits. Both MS and MSD spike recoveries for 4,4-DDT in sample EX571600 exceeded the upper control limits but recoveries in the remaining three soil samples were within control limits.

Spike recoveries for aroclor 1016 were acceptable; however, one of the spike recoveries for aroclor 1260 in sample EX571502, and both MS and MSD recoveries in sample EX571502 were above the upper control limit. The original

analysis reported high aroclor 1260 concentrations relative to spike concentrations and no actions were taken for the high recoveries.

High recoveries of endosulfan II, 4,4-DDT, and Aroclor-1260 in soil indicate some matrix interference. There were no detects of endosulfan II in AOC 57 samples. Positive results for 4,4-DDT in soil samples collected at AOC 57 should be considered estimated and potentially biased high.

<u>Sediment</u>. Two sediment samples, one from AOC 57 and one from AOC 69W, were spike with target pesticides and PCBs. The percent recoveries of the spiked samples were compared to the USEPA CLP control limits and all recoveries were within the criteria range with the exception of 4,4-DDT. One out of the four reported recoveries for 4,4-DDT (166.7%) exceeded the upper control limit of 134%. Based on the low frequency of exceedances for recovery of 4,4-DDT qualification of sediment data was not conducted.

D.3.1.3 USEPA Methods

Matrix Spike recoveries for USEPA methods water quality parameters were evaluated for groundwater and surface water. The matrix recoveries for soil and sediment were also evaluated for TOC, TPH as gasoline and diesel, and TPHC.

For water quality parameters of hardness, alkalinity, nitrate and nitrite-nitrogen, kjeldahl-nitrogen, sulfate, and total phosphate, the USEPA CLP control limits for inorganic matrix spikes (75% - 125% recovery) were used for guidance. Professional judgement was used when evaluating the organic parameters TOC

and TPHC. The MS/MSD recoveries for these parameters were evaluated on a sample by sample basis and are discussed below.

Groundwater, 1995 Field Investigation. Five groundwater samples were spiked for hardness including three groundwater samples from AOC 57, one from AOC 63AX, and one from AOC 69W. Hardness data for which at least one MS/MSD recovery was not within USEPA CLP limits are presented in Table D-16.

Four out of eight spike recoveries for hardness were well below the lower control limit of 75%. The outlier recoveries were found in the samples MXAX02X1 and MXZW01X3 from AOCs 69W and 63AX, respectively, and one of the two samples (MX5701X1) from AOC 57. Based on these results, there appears to be either significant matrix interference or other analytical performance issues resulting in low spike recoveries. With the exception of groundwater sample MXG302X1 in which acceptable hardness recoveries were reported, all hardness results for groundwater samples should be considered invalid.

For alkalinity three groundwater samples from AOC 57 and one groundwater sample from AOC 69W were spiked for matrix evaluation. All spiked sample recovery results for alkalinity are within control limits. According to the data downloaded from IRDMIS, percent recoveries for alkalinity reported for Lot PJOW exceed the control limits. However, the high recoveries are believed to be erroneous due to a unit conversion error for two spiked samples in Lot PJOW. Corrective action for this discrepancy is currently ongoing.

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Spike sample recoveries for all other water quality parameters were within the established control limits indicating no matrix effects.

Groundwater, Round 2. Five groundwater samples were spiked for hardness including two groundwater samples from AOC 57, one from AOC 63AX and AOC 69W. Two sets MS/MSDs were analyzed for the sample from AOC 63AX. Hardness data for which at least one MS/MSD recovery was not within USEPA CLP limits are presented in Table D-16.

Two spike recoveries for hardness were well below the lower control limit of 75%. The outlier recoveries were found in the sample MXAX03X2 from AOC 63AX. However, an additional spike and spike duplicate analysis for this sample was performed and results were within the control limits. Based on these results, there does not appear to be any significant matrix effects impacting the hardness data. All hardness results for groundwater samples remained unqualified.

For alkalinity, two groundwater samples from AOC 57 and one groundwater sample from AOC 69W were spiked for matrix evaluation. All recovery results for alkalinity are within the established guidelines.

Spike sample recoveries for all other water quality parameters were within the established control limits indicating no matrix effects. Spike recovery control limits for TPHC are not available; however, spike recoveries ranged from 89% to 97.9% and are considered acceptable.

<u>Surface Water</u>. One surface water sample from AOC 57 (WX5705XX) was spiked to evaluate matrix effects on the measurement of water quality parameters

listed above. All results were within the established control limits indicating no matrix interference.

<u>Soil</u>. Two MS/MSD soil sample pairs from AOC 57 were spiked and analyzed for matrix effects on concentrations of TPH as diesel and gasoline by Modified USEPA Method 8015. The recovery range for these samples was 74.9% to 112.4%. Based on these results, there does not appear to be any adverse effects on the TPHC data analyzed by USEPA Method 8015.

A total of seven spiked sample pairs were analyzed for matrix effects on TPH by USEPA Method 9071/418.1. These samples included three soil samples from AOC 57, three from AOC 63AX, and one from AOC 69W. The majority of samples had percent recovery ranging from 71.0% to 128.6%. The spike recoveries outside this range included one sample from AOC 57 (EX571502) which exhibiting relatively low recoveries of 29.2% and 43.7% in the MS and MSD, and one sample from AOC 63AX (AXE9503X) in which the MS had a relatively low recovery of 52.6%. In general, spike recoveries for TPH by USEPA Method 9071 in all other soil samples indicated acceptable method performance. Low recoveries in samples EX571502 and AXE9503X may be attributed to sample homogeneity in the unspiked samples and are not likely an indication of poor method performance. Based on the spike recoveries for TPHC, qualification of the data was not conducted.

Four soil samples were spiked for TOC analysis, including two from AOC 57, and two from AOC 69W. The recovery of these spiked samples ranged from 77.5% to

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132.3%. Based on these results, there appears to be no matrix related effects on TOC concentrations in soil.

<u>Sediment</u>. Two pairs of sediment MS/MSD samples, one from AOC 57 and one from AOC 69W, were analyzed for matrix effects on petroleum hydrocarbon concentrations. Recoveries ranged from 88.9% to 171.9% for TPH as diesel, and 84.2% to 162.3% for TPH as gasoline, indicating good method performance.

The spike recoveries of TPHC for USEPA Method 9071 were 4.3% and 51.4% in the MS and MSD in sample DX570500 from AOC 57. These spike recoveries are low in comparison the spike recoveries observed for the second sediment sample (DXZW0200) which were approximately 117% in the MS and MSD. Low spike recoveries in sediment sample DX570500 may be attributed to sample heterogeneity or from matrix interference. All positive sediment sample results for TPHC for AOC 57 sediments should be considered estimated and biased low, and all non-detect results should be considered invalid.

Matrix spike and MSDs were analyzed for two sediment samples from AOC 57 to evaluate matrix effects on TOC concentrations. The percent recoveries in sample DX570500 ranged from 83.9% to 125.0% indicating good accuracy within the matrix. Spike recoveries for the second sediment sample from AOC 57 (DX570900) were only 0.9% and 54.0%. This sample had a high TOC concentration in the original sample which likely contributed to the low recoveries. No qualification of results was conducted.

D.3.2 SURROGATE RECOVERIES

In addition to matrix spikes, the recovery of surrogate standards were also used to assess matrix effects and accuracy of the analytical data. Surrogate standards were used for VOC and SVOC analyses and were added to all soil, sediment, surface water and groundwater samples prior to analysis.

D.3.2.1 SVOC

The SVOC surrogate standards used to evaluate matrix effects and analytical accuracy included 2-fluorophenol, phenol-D6, 2,4,6-tribromophenol, nitrobenzene-D5, 2-fluorobiphenyl, and terphenyl-D14. Recovery criteria for these surrogates, are taken from analytical USEPA CLP protocols (USEPA, 1988a) and the Fort Devens Project Operations Plan (ABB-ES, 1995) and are presented in Table D-17.

Interpretations on data usability were based on guidance outlined in the USEPA Region I Functional Guidelines for Data Validation (USEPA, 1988). According to this guidance SVOA sample results are qualified based on independent evaluations of surrogate recoveries for acid fraction compounds and base-neutral compounds. Each fraction has three surrogates. The acid fraction surrogates include 2-flourophenol, phenol-D6, and 2,4,6-tribromophenol. The base-neutral surrogate standards include nitrobenzene-D5, 2-flourobiphenyl, and terphenyl-D14. SVOA positive results are qualified as estimated if two or more surrogates in either the acid or base-neutral fraction are outside the recovery limits. Positive results are qualified as estimated and negative (non-detect) results are qualified as unusable (rejected) if any surrogate is less than ten percent recovery for the associated fraction.

All SVOA samples were evaluated using the criteria outlined above. Sample results were identified as usable, estimated, or rejected based on the USEPA Region I Guidelines. Data bias was identified if trends in surrogate recoveries for individual samples indicated low or high bias.

Groundwater, 1995 Field Investigation. All SVOC results for groundwater samples meet USEPA surrogate standard recovery guidelines.

Groundwater, Round 2. All surrogate standard recovery data is within USEPA guidelines. Based on surrogate standard recoveries, qualification of sample data was not conducted.

<u>Surface Water</u>. Surface water samples with two or more surrogate standards from acid fraction with recoveries outside the acceptable QC limits included samples from AOC 57 sample (WX5704XX, WX5705XX, WX5706XX, WX5710XX). Surrogate recoveries above the control limits for 2-fluorophenol and phenol-D6 were observed for these samples. No acid fraction compounds were detected in any of the surface water samples and no qualification of results was conducted.

<u>Soil</u>. Soil samples with two or more surrogate standards from the acid fraction with recoveries outside the acceptable QC limits included AOC 57 samples EX570405 and BX570200. High outlier recoveries for 2-fluorophenol and phenol-D6 were reported for these samples. Soil sample EX572404 had two surrogate standards in the base-neutral fraction (2-fluorobiphenyl and nitrobenzene-D5) with high recoveries. No acid fraction compounds were detected in these samples and no qualification of results was conducted. No base neutral fractions

compounds were reported in these two samples, and no qualification of results was conducted.

All soil samples spiked with SVOC surrogate standards had recoveries above the 10% minimum recovery criteria with the exception of 2,4,6-tribromophenol in sample EX571602. All non-detect results in the acid fraction of this sample are rejected and considered unusable.

<u>Sediment</u>. All sediment samples had recoveries of surrogate standards within the USEPA CLP limits. All SVOC surrogate results for sediment samples are within guidelines.

D.3.2.2 VOCs

Surrogate standards used for volatile organics include 1,2-dichloroethane-D4, 4-bromoflourobenzene, and toluene-D8. The criteria used for interpreting surrogate data are taken from analytical USEPA CLP protocols (USEPA, 1988a) and the Fort Devens Project Operations Plan (ABB-ES, 1995) and are presented on Table D-18. Interpretations on data usability were based on guidance outlined in the USEPA Region I Functional Guidelines for Data Validation (USEPA, 1988). According to the guidelines, positive results and quantitation limits are considered estimated values if one or more surrogate standard per sample is outside the recovery limits. If any surrogate standard is recovered at less than ten percent, positive results are considered estimated values and non-detect results are rejected and considered unusable.

All VOC samples were evaluated using the criteria outlined above. Sample results were identified as usable, estimated, or rejected based on the USEPA Region I Guidelines. Data bias was identified if trends in surrogate recoveries for individual samples indicated low or high bias.

Groundwater, 1995 Field Investigation. The surrogate recoveries for groundwater samples at AOCs 57, 69W and 63AX were evaluated for matrix effects and accuracy of the analytical data. All samples had recoveries within CLP ranges with the exception of those discussed below.

Five groundwater samples from AOC 57 (MX5702X1, MX5703X1, MX5705X1, MX5706X1, MDG307X1), one sample from AOC 69W (MXZW12X3), and three samples from AOC 63AX (MXAX03X1, MXAX07X1, MXAX08X1) had surrogate recoveries for 1,2-dichlorobenzene-D4 above the CLP criteria. Positive results for VOCs in these samples should be considered estimated, and possibly biased high; however, no positive detections were reported in samples MX5702X1, MX5705X1, MX5706K1, MD6307X1, and MX1X08X1. Sample MXAX03X1 had only chloroform reported, which was likely a contaminant (see Section 2). Positive results for ethylbenzene, tetrachloroethene, toluene, xylenes, and chloromethane reported in MX5703X1, MXZW12X3, and MXAX07X1 are considered estimated and potentially biased high.

Groundwater samples, MXAX08B1 and MXAX09X1 from AOC 63AX, had surrogate recoveries for toluene-D8 and 4-bromoflourobenzene below the lower control limits for these standards. Based on these results, positive results and CRLs reported for volatile organics, these samples should be considered estimated, and biased low values.

Groundwater, Round 2. The surrogate recoveries for groundwater samples at AOCs 57, 69W and 63AX were evaluated for matrix effects and accuracy of the analytical data. All samples had recoveries within CLP ranges with the exception of those discussed below.

Four groundwater samples from AOC 63AX (MXAX02X2, MXAX03X2, MXAX04X2, and MXAX08B2) and six samples from AOC 69W (MXZW10X4, MXZW11X4, MXZW14X4, MXZW15X2, MXZW18X2, and MDZW11X4) had surrogate recoveries for 1,2-dichlorobenzene-D4 above the CLP criteria. Positive results for VOCs in these samples should be considered estimated, and biased high; however, no positive detections, or only low concentrations of toluene (< $1.2 \mu g/L$) were reported in all samples with the exception of MXZW10X4. The concentration of ethyl benzene reported in MXZW10X4 is estimated and potentially biased high.

Surrogate recoveries for toluene-D8 and 4-bromoflourobenzene ranged from 86% to 106%, and 88% to 100%, respectively. All recoveries were within the control limits.

<u>Surface Water</u>. The recovery of surrogate standard 1,2-Dichloroethane-D4 in surface water samples WX5704XX and WX5705XX from AOC 57 exceed the upper control limit. No VOCs were reported in WX5704XX. Positive results reported for 1,2-dichloroethene, tetrachloroethene, and trichloroethene in surface water sample WX5705XX are considered estimated and potentially biased high. The recoveries for all other surrogate standards in surface water samples were within the established guidelines.

<u>Soil</u>. The recoveries of surrogate standards toluene-D8 and 4-bromoflourobenzene in soil sample BXZW0107 from AOC 69W exceeded the upper control limit. Positive concentrations of ethylbenzene and xylenes in this sample are estimated and possibly biased high. The surrogate recovery for toluene-D8 in one sediment sample from AOC 69W (RXZW3006) also exceeded the upper control limit. Positive results for toluene, xylene, and styrene should be considered estimated, and potentially biased high. All other VOC surrogate standard recoveries for soil samples were acceptable.

Sediment. Several surrogate recoveries reported for sediment samples from AOC 57 were above the upper control limits. These sediment samples include DX570500, DX570502, DX570600, DX570800, DX570900, and DX571000. Only acetone and low concentrations of toluene ($< 0.01 \ \mu g/g$) were reported in these samples. Because acetone represents possible laboratory contamination, and concentrations of toluene were so low, no qualification of these results was conducted. All other VOC surrogate standard recoveries for sediment samples were acceptable.

VOC surrogate recovery data indicate some matrix related effects. As indicated some sample results should be considered estimated with potential high and low bias, but overall the accuracy of the GC/MS method used for VOC analyses was acceptable.

D.4.0 PRECISION

Precision is a measure of the reproducibility of the analytical results under a given set of conditions. It is a quantitative measure of the variability of a group of measurements compared to their average value. Precision is measured as the relative percent difference (RPD) between a sample and its duplicate, as is calculated for field duplicate samples, and matrix spike/matrix spike duplicate samples. The following equation is used to calculate the RPD.

$$RPD = 100 X \frac{_D_1 - D_{2-}}{0.5(D_1 + D_2)} 1$$

 D_1 and D_2 are the reported concentrations for sample duplicate analyses.

When measuring precision for organic analyses, the RPDs of the field duplicates are compared to established review criteria. The RPDs for field duplicates are compared to the acceptance criteria of 50% RPD for soil matrices and 30% RPD for water matrices (USEPA, 1988b). The criteria for RPDs for organic compounds in field duplicates did not apply in cases where: 1.) the results are non-detect and; 2.) the compounds detected are common lab contaminants. In cases where one organic result is non-detect, the CRL value was used to calculate the RPD. The acceptance criteria for inorganic analysis for field duplicate samples only applies to analytes that are greater than 5 times the CRL (USEPA, 1989b).

Precision is also evaluated by comparison of MS and MSD results. The USEPA CLP control limits were used to evaluate duplicate precision between MS and MSDs. In cases where USEPA CLP control limits for spikes are not available, such for inorganics and various USEPA analytical methods, the control limits for field duplicates listed above were used as guidance.

A discussion of the RPDs for field duplicates is presented below in Section 4.1, and the RPDs for MS/MSDs are presented in Section 4.2.

D.4.1 OFF-SITE LABORATORY FIELD DUPLICATE RESULTS

Duplicate samples from AOCS 57, 63AX, and 69W at Fort Devens were collected to measure the sampling and analytical precision for analyses performed at the off-site laboratory. The duplicate samples were analyzed for the following Fort Devens PAL analytes: inorganics; VOCs; SVOCs; pesticide and PCBs. Aqueous field duplicate samples were also analyzed for various water quality parameters including hardness, alkalinity, sulfate, phosphate and nitrogen. Soil and sediment field duplicate samples were also analyzed for TOC and TPHC.

All field duplicate data collected during the Fort Devens Site Investigations are shown in Table D-19 and Table D-20. The RPD has been calculated for each pair of field duplicates collected during the 1995 Fort Devens Site Investigation, and the Round 2 Groundwater sampling event.

D.4.1.1 Inorganics

An analysis of the precision of the inorganic duplicate data was completed for each PAL element.

Groundwater, 1995 Field Investigation. The concentrations of inorganics in three groundwater samples and corresponding field duplicates were used to evaluate sampling and analytical precision for elements. One sample duplicate from each of the three AOCs (57, 63AX, and 69W) were collected. The RPDs of all inorganic groundwater concentrations for duplicates were below the USEPA Region I limits with the exception of iron. However, outlier RPDs for iron were only observed in one out of three sample duplicate pairs. Groundwater sample results for elements were not qualified based on duplicate results.

Groundwater, Round 2. The concentrations of inorganics in four filtered and unfiltered groundwater samples duplicate pairs were used to evaluate precision for elements. One sample duplicate pair from each of the three AOCs (57, 63AX, and 69W) and one additional sample duplicate pair from AOC 57 were collected. Elements for which at least one outlier RPD was observed are shown in the Table D-21. Outlier RPDs were observed for arsenic, iron, and barium; however, the frequency at which an outlier RPD was observed was low. Groundwater data for these elements were not qualified based on duplicate precision results.

<u>Surface Water</u>. One surface water sample and duplicate were collected and evaluated for precision. The RPDs of all inorganic concentrations were within the

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USEPA Region I limits. Surface water sample results for inorganics were not qualified.

<u>Soil</u>. One sample duplicate pair from each of the three AOCs (57, 63AX, and 69W) were collected. Elements for which at least one outlier RPD was observed are shown in the Table D-22. Outlier RPDs were observed for arsenic and potassium; however, the frequency at which an outlier RPD was observed was low. Soil sample data for these elements were not qualified based on duplicate precision results.

<u>Sediment</u>. Two sediment sample duplicate pairs, one from AOC 57 and one from AOC 69W were collected and evaluated for precision. Elements for which the RPD was greater than the control limit 50% are shown in Table D-22. All outlier values were associated with sediment sample DX570300 from AOC 57. Based on the variability of results in this sediment sample, concentrations of mercury, manganese, sodium, and zinc in sediment samples from AOC 57 should be considered estimated.

D.4.1.2 VOCs

Duplicate VOC sample results were evaluated to assess the sampling and analytical precision.

Groundwater, 1995 Field Investigation. Three groundwater sample duplicate pairs, one from each AOC, were collected. The majority of target compounds were non-detects in both analyses. Compound RPDs were within the USEPA Region I guidelines with the exception of ethylbenzene. Ethylbenzene was

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detected in sample MDZX12X3 from AOC 69W at 6 μ g/L; the corresponding sample duplicate MXZW12X3 was non-detect with a reporting limit of less than 0.5 μ g/L. The resulting RPD was 169.2%. High RPDs are commonly reported for samples with results at or near the reporting limits as in sample MXZW12X3. In general, the duplicate data indicate that there was good precision of the aqueous VOC concentrations, and qualification of the data was not conducted.

Groundwater, Round 2. Three groundwater sample duplicate pairs, one from each AOC, and one additional duplicate pair from AOC 57 were collected. The majority of target compounds were non-detects in both analyses. Compound RPDs were within the USEPA Region I guidelines with the exception of toluene. Toluene was detected in sample MX5701X2 from AOC 57 at 1.2 μ g/L; the corresponding sample duplicate MD5701X2 was non-detect with a reporting limit of less than 0.5 μ g/L. The resulting RPD was 82.4%. High RPDs are commonly reported for samples with results at or near the reporting limits. In general, the field duplicate data indicate that there was good precision of the aqueous VOC concentrations and qualification of the data was not conducted.

<u>Surface Water</u>. The concentrations of one duplicate pair of surface water samples from AOC 57, WX5703XX, were assessed for precision. All surface water sample duplicate results were reported as non-detect indicating good precision for surface water VOC data.

<u>Soil</u>. One sample duplicate from AOCs 57, 63AX, and 69W was collected. The majority of target compounds were non-detects in both analyses. The RPDs for all duplicate groundwater results were below the USEPA Region I limits with the

exception of toluene. The RPD for toluene in soil sample BXZW0100 from AOC 69W was 127.1%. Toluene results for sample BXZW0100 are considered estimated values. However, the frequency at which an outlier RPD was observed for toluene was only one out of three. Qualification of other sample results was not conducted based on duplicate results.

<u>Sediment</u>. Two sediment sample duplicate pairs, one from AOC 57 and one from AOC 69W, were collected. All VOC results for sediment samples and sample duplicates were reported as non-detect. VOC results in sediment samples were not qualified based on duplicate results.

D.4.1.3 SVOCs

Duplicate SVOC sample results were evaluated to assess sampling and analytical precision.

Groundwater, 1995 Field Investigation. Duplicates for one water sample from each AOC were collected. With the exception of phthalate esters, there were no target SVOCs detected in groundwater sample duplicate pairs indicating good agreement between results.

Groundwater, Round 2. Three groundwater sample duplicate pairs, one from each AOC, and one additional duplicate pair from AOC 57 were collected. The majority of target SVOCs were non-detects in both analyses. The RPDs of duplicate results were within the USEPA Region I guidelines with the exception of 1,3,5- trimethylbenzene. This compound was detected in sample MX5703X2 from AOC 57 at 30 μ g/L, and the corresponding sample duplicate MD5703X2 at

 $20 \mu g/L$. Results of 1,3,5-trimethylbenzene in sample MX5703X2 is considered estimated. In general, the field duplicate data indicate that there was good precision of the aqueous SVOC concentrations and additional qualification of the data was not conducted.

<u>Surface Water</u>. One surface water sample from AOC 57 was collected. There were no target SVOCs detected in either sample indicating good agreement between the results.

<u>Soil</u>. Three duplicate soil samples, one from each AOC, were analyzed. The majority of target SVOCs were non-detect in both analyses. All RPDs were within USEPA limits.

Sediment. Two sediment samples, one from AOC 57 and one from AOC 69W, were analyzed in duplicate. For most target SVOCs concentrations were non-detect in both the sample and sample duplicate, and resulting in acceptable agreement between results. Target SVOCs detected include pyrene and fluoranthene. The sample duplicate RPDs for fluoranthene in sample DXZW0100 and pyrene in sample DXZW0100 were 66.7%, exceeding the precision control limit of 50%. Based on these results, concentrations of PAHs reported in sediment samples should be considered estimated values.

D.4.1.4 USEPA Methods

An analysis of duplicate results for a variety of water quality parameters obtained using standard USEPA methods was also conducted. Soil and sediment samples

were also analyzed for TOC and TPHC. A discussion of precision between sample duplicates analyzed for these parameters is presented below.

Groundwater, 1995 Field Investigation. Three groundwater samples, representing one sample from each AOC, were collected. Hardness concentrations for groundwater sample MXAX03X1 and the sample duplicate MXAX03X1 from AOC 63AX were reported as 18,000 μ g/L and non-detect (less than 1000 μ g/L). The RPD was 178.9%, exceeding the control limit of 30%. However the RPDs for the other two groundwater duplicate pairs ranged from 0% to 5.7% indicating excellent precision.

Additional parameters evaluated for precision in groundwater include alkalinity, sulfate, total phosphate, nitrate and nitrite-nitrogen, and nitrogen by the kjeldahl method. With the exception of nitrate and nitrite-nitrogen data, all results had RPDs within control limits. The RPD for nitrate and nitrite nitrogen in groundwater sample MXAX03X1 from AOC 63AX was 85.5%. However the RPDs for the other two groundwater duplicate pairs ranged from 9.2% to 26.1%, indicating acceptable precision. Based on these results, nitrate/nitrite concentrations from AOC 63AX groundwaters are considered estimated.

Overall, precision between groundwater samples for water quality parameters is considered acceptable, and additional qualification of the data was not conducted.

Groundwater, Round 2. Three groundwater duplicate samples, representing one sample from each AOC, and one additional sample from AOC 57 were collected. Hardness concentrations for groundwater sample MXAX04X2 and the sample duplicate MDAX04X2 from AOC 63AX were reported as 264,000 μ g/L and

 $6,800 \mu g/L$. The RPD was 190%, well above the RPD goal of 30%. Based on these results, hardness results for AOC 63AX are considered estimated. The RPDs for the three groundwater duplicate pairs ranged from 5.8% to 7.8% indicating excellent precision.

Additional parameters evaluated for precision in groundwater include alkalinity, sulfate, total phosphate, nitrate and nitrite-nitrogen, and nitrogen by the kjeldahl method. With the exception of nitrate and nitrite-nitrogen data, and total phosphate data all results had RPDs within control limits.

The RPD for nitrate and nitrite-nitrogen in sample MXAX04X2 and sample duplicate MDAX04X2 from AOC 63AX was 38.7%. The RPD in the sample duplicate pair MXZW11X4 and MDZW11X4 from AOC 69W was 198%, also exceeding the control limit. Based on these results nitrate/nitrite results are considered estimated values. However, the RPDs for the other two groundwater duplicate pairs ranged from 3.8% to 8.7%, indicating acceptable precision.

For total phosphate, two of the four sample duplicate pairs had outlier RPDs. The RPDs were 48.9% for sample duplicate pair MX5703X2 and MD5703X2 from AOC 57, and 52.2% for sample duplicate pair MXZW11X4 and MDZW11X4 from AOC 69W. Based on these results, phosphate results from AOC 57 and 69W are considered estimated values. The remaining two field duplicates analyzed for total phosphate had RPDs of 0% and 2.2% indicating acceptable precision.

<u>Surface water</u>. One surface water field duplicate sample from AOC 57, WX5703XX, was collected. Precision criteria for sulfate and alkalinity in this surface water sample were acceptable. The control limit of 30% RPD was exceeded for hardness, total phosphate, and nitrogen by the kjeldahl method.

The results for kjeldahl nitrogen for the sample and duplicate were 1430 μ g/L and 229 μ g/L. The RPD for these results was 144.8%. The results for total phosphate ranged from 24.8 μ g/L and 118 μ g/L between the sample and sample duplicate, with an RPD of 130.5%. The RPD for hardness was 32.5%. Positive results in surface water samples for nitrogen determined by the kjeldahl method, hardness, and total phosphate should be considered estimated.

<u>Soil</u>. One soil field duplicate sample from AOC 63AX (BXAX0410) was collected and analyzed for TOC. Three soil duplicate samples including BXAX0215 from AOC 63AX, sample BXZW0100 from AOC 69W, and sample EX570405 from AOC 57 were collected for TPHC (USEPA Method 9071/418.1). All RPDs for these parameters were within RPD goals demonstrating consistency for the method and matrix.

<u>Sediment</u>. Two sediment sample duplicate pairs, DXZW0100 and DDZW0100 from AOC 69W, and DX570300 and DD570300 from AOC 57, were evaluated for precision of TOC and TPHC data.

The TOC results for the sediment sample and duplicate from AOC 69W were 12,400 μ g/g and 7,420 μ g/g. The RPD of these results is 50.5%, slightly above the 50% RPD limit. The TPHC results (USEPA method 9071/418.1) for this sample duplicate pair were 896 μ g/g and 360 μ g/g, with an RPD of 85.4%. Based

on these duplicate results, TPH results for all AOC 69W sediments should be considered estimated values. The RPDs for TOC and TPHC in the sediment sample from AOC 57 were within RPD goals and results for AOC 57 sediments were not qualified.

D.4.2 OFF-SITE LABORATORY SPIKE DUPLICATE RESULTS

All matrix spike duplicate data and the corresponding RPDs for the 1995 Fort Devens Site Investigation and Round 2 Groundwater sampling event are presented in Table D-10 and Table D-11. The RPDs for spike duplicates were calculated for TPH, TOC, inorganics, and pesticide/PCBs and compared to the USEPA CLP control limits (USEPA, 1988a) to determine precision of analysis. Samples with RPDs for spike samples outside control limits are discussed below.

D.4.2.1 Inorganics

Elements were spiked into groundwater, surface water, soil and sediment samples to evaluate precision. The USEPA CLP guidelines do not specify limits for spike RPDs for elements. As a result, the RPD limits for laboratory duplicates of 25% in water samples and 35% in soil samples specified in the USEPA Region I Guidelines (USEPA, 1989b) were used as guidance.

Groundwater, 1995 Field Investigation. Two groundwater samples from AOC 57, MX5701X1 and MX5705X1, and one groundwater sample from AOC 69W MXZW10X3 were evaluated for precision based on spiked samples. Both filtered

and unfiltered samples were included in this evaluation. The percent recoveries of iron for spike duplicates in sample MXZW10X3 were 105.0% and 55.5%, with and RPD of 62%. Iron results for groundwater from AOC 69W are considered estimated. The RPDs for all other elements in spiked groundwater samples were within EPA limits.

Groundwater, Round 2. Three groundwater MS/MSD samples, one from each AOC, and one additional sample for AOC 69W were evaluated for precision based on spiked samples. Both filtered and unfiltered samples were included in this evaluation. The RPDs for all elements in spiked groundwater samples were acceptable indicating excellent method performance.

<u>Surface water</u>. Filtered and unfiltered fractions of surface water sample WX5705XX from AOC 57 were assessed for spike duplicate precision. The RPDs for all elements were within USEPA limits.

D.4.2.2 Pesticides/PCBs

Pesticide and PCB compounds were spiked in duplicate into groundwater, surface water, soil and sediment samples to evaluate precision. Nine target pesticide and two PCB compounds were used including endosulfan I, endosulfan II, aldrin, dieldrin, endrin, heptachlor, isodrin, lindane, methoxychlor, 4,4'-DDT, aroclor 1016, and aroclor 1260. The USEPA CLP control limits for pesticide compounds used in the CLP methods are shown in Table D-23. The USEPA CLP guidelines do not specify limits for spike RPDs for endosulfan I, endosulfan II, isodrin, and PCBs. For these compounds, the RPD control limits for field duplicates of 30%

in water samples and 50% in soil samples specified in the Region 1 USEPA guidelines (USEPA, 1988b) were used.

Groundwater, 1995 Field Investigation. Three groundwater samples, MX5701X1, MXAX02X1, and MXZW10X3, from AOC 57, 63AX and 69W, respectively, were spiked with target pesticides and PCBs. For the CLP spike compounds only aldrin and lindane in the groundwater sample from AOC 69W exceeded the USEPA control limits. The RPD for lindane was 15.3% and aldrin was 32.5%. All other pesticides and PCBs had spike RPDs less than 30% with the exception of methoxychlor in sample MXZW10X3 from AOC 69W. The RPD for methoxychlor (34.3%) was only slightly above the USEPA duplicate RPD limit. These compounds were not detected in any groundwater samples and no qualification of results was conducted.

Groundwater, Round 2. Three groundwater samples, MXG302X2, MXAX03X2, and MXZW12X4, from AOC 57, 63AX and 69W, respectively, were spiked with target pesticides and PCBs. The RPDs for spiked PCBs in all three groundwater sample were within USEPA duplicate limits. For pesticides, eight out of the ten spiked compounds had RPD exceedances in groundwater samples from AOC 57 and 69W. Based on frequency of RPD exceedances for pesticides in samples MXG302X2 and MXZW12X4, positive results reported in samples from AOCs 57 and 69W should be considered estimated. The only positive detections were low concentrations of endosulfan II in sample EX5706X1 and heptachlor epoxide and gamma-chlordane in MXZW10X4. These concentrations are considered estimated. The RPDs for pesticides in sample MXAX03X2 from AOC 63W

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ranged from 2.2% to 5.8% indicating excellent precision for this sample. Oualification of the data from AOC 63 AX was not conducted.

<u>Surface water</u>. One surface water spiked sample, WX5705XX, from AOC 57 was evaluated for precision. All RPDs for this sample were within RPD limits indicating good method performance and sampling precision.

<u>Soil</u>. The RPDs of four spiked soil samples from AOC 57 (EX570506, EX571502, EX572500, BX570319) were used to evaluate precision. The RPDs for these samples were within RPD limits indicating acceptable method performance and sampling precision.

<u>Sediment</u>. The RPDs from two spiked sediment samples were used to evaluate precision. These samples include DX570500 from AOC 57 and DXZW0200 from AOC 69W. The RPDs for all pesticide and PCBs were within RPD limits with the exception of aroclor 1260. The RPD for aroclor 1260 was 50.8%, which is only slightly above the control duplicate control limit of 50%. Overall, pesticide and PCB results for precision in sediment are acceptable and qualification of the data was not conducted.

D.4.2.3 USEPA Methods

Precision for spiked samples was also evaluated for various water quality parameters including hardness, alkalinity, total phosphate, sulfate, nitrate and nitrite-nitrogen, and kjeldahl-nitrogen in water samples, and TPH and TOC in soil and sediment samples. USEPA CLP guidelines for evaluating spike duplicate RPDs are not available. The USEPA Region I control limits for field duplicates

30% in water and 50% in soil were used to compare RPDs between spiked samples.

Groundwater, 1995 Field Investigation. Several groundwater samples were spiked in duplicate for the water quality parameters listed above to evaluate precision. All RPDs between the MS and MSDs were less than the 30% control limit indicating excellent method performance. The RPDs for hardness for both the filtered and unfiltered fraction in sample MXAX03X2 were reported as 139.2% However, evaluation of the raw data indicated the calculation of RPDs was erroneous, and the actual RPDs ranged from 1% to 29.9%. Based on the MS/MSD results, qualification of water quality data is not required.

Groundwater, Round 2. Several groundwater samples were spiked in duplicate for the water quality parameters listed above to evaluate precision. All RPDs between the MS and MSDs were less than the 30% control limit with the exception of hardness in sample MXAX03X2 from AOC 63AX. The spiked sample concentrations for hardness in this sample and the sample duplicate were $4000 \mu g/L$ and $1000 \mu g/L$, with an RPD of 120%. Based on these results hardness in samples from AOC 63AX are considered estimated values. The RPDs for hardness in the three other groundwater samples ranged from 0% to 2.4% indicating excellent method performance. The frequency of outlier RPDs for hardness was low so qualification of the data was not required.

<u>Surface water</u>. Two surface water samples from AOC 57 including WX5703XX, and WX5705XX were spiked in duplicate for the water quality parameters listed

above to evaluate precision. All RPDs between the MS and MSDs were less than the 30% control limit indicating acceptable method performance.

<u>Soil</u>. Soil samples from AOC 57 (EX570506, EX571502) were spiked in duplicate for TOC and TPHC (USEPA Modified Method 8015) to evaluate precision. Samples BX570122, BX570615 from AOC 57, and BXZW1607 from AOC 69W were also spiked in duplicate for TOC. All RPDs between the MS and MSDs were less than the 50% RPD limit indicating acceptable method performance.

Sediment. Sediment samples from AOC 57 (DX570500) and AOC 69W (DXZW0200) were spiked in duplicate for TOC, TPH as gasoline and diesel fuel (USEPA Method 8015) and TPHC (USEPA Method 9071/418.1) to evaluate precision.

Sample DX570900 from AOC 57 was spiked in duplicate for TOC and the results were 54.0 μ g/g and 0.9 μ g/g. An RPD of 193.5% was calculated for these TOC results, exceeding the 50% control limit. This sample had high concentrations of TOC relative to spike concentrations and no actions were taken based on these RPDs. The two additional TOC duplicate sample pairs had RPDs of 30% and 50.2%.

The RPDs of sediment samples for TPHC as gasoline and diesel fuel exceeded the 50% control limits in one of the two spiked sample pairs. These outlier RPDs were from sample DX570500 and ranged from 54.8% (TPH as gasoline) to 63.7% (TPH as diesel fuel). However, RPDs for the second sediment duplicate pair were 8.2% (TPH as diesel) and 0% (TPH as gasoline) indicating excellent

agreement between results. Based on duplicate spike data, TPH results for sediment samples overall are acceptable and do not require qualification.

The RPDs for spiked sediment samples for TPHC by USEPA Method 9071/418.1 exceeded the control limit in one of the two sample pairs. An outlier RPD of 169% was observed for sample DX570500. However, the RPD for the second sediment duplicate pair was 0% indicating excellent agreement between results. Based on duplicate spike data, TPHC (USEPA Method 9071/418.1) results for sediment samples were not qualified.

D.5.0 COMPARISON OF OFF-SITE AND ON-SITE ANALYTICAL RESULTS

This section discusses the results of a comparison of data generated from chemical analyses performed on soil samples collected during the 1995 AOC 57, 63AX, and 69W Remedial Investigations at Fort Devens, Massachusetts. A total of 36 split samples were collected between September 12, 1995 through October 2, 1995. The soil samples were split in the field and submitted for on-site and off-site volatile analysis and petroleum hydrocarbons. The purpose of collection of the split samples is to provide a comparison of the on-site data with the associated off-site data, in order to evaluate data quality and establish the on-site results as screening data with definitive confirmation (USEPA, 1993).

D.5.1 ANALYTICAL METHODOLOGIES

The analytical methods used on-site were purge and trap gas chromatography (GC) analyses for volatile organic compounds (VOCs) in soil using a flame ionization detector (FID) for benzene, toluene, ethylbenzene, m/p-xylene, and o-xylene (BTEX), and chlorobenzene, and chlorinated VOCs using an electron capture detector (ECD) for 1,1-dichloroethene, trichloroethene, tetrachloroethene; 1,1,1-trichloroethane, carbon tetrachloride, and chloroform. The purge and trap GC field screening also provides an estimate of the concentration of non-target fuel hydrocarbons, or total petroleum hydrocarbons (TPH). The TPH concentration represents an estimate of total hydrocarbons present that are detected by the FID. The TPH analysis is reported as the total TPH response of peaks associated with the calibration of the FID with a JP-4 standard. The TPH

data are the primary means of identifying volatile fuel-related contamination in highly contaminated samples.

Soil samples were also analyzed at the on-site laboratory for semivolatile total petroleum hydrocarbons (TPH) using modified USEPA Method 3500 followed by analysis using USEPA Method 418.1.

The on-site field screening target compound data were evaluated using the USAEC off-site analytical GC/mass spectrometry (MS) method for VOCs. As discussed in Section D-2, this method is based on USEPA Method 8260 with subsequent certification by USAEC. Off-site TPH results were generated using USEPA Method 9071 to extract samples followed by analysis using USEPA Method 418.1 (USEPA, 1983; USEPA, 1986).

D.5.3 PROGRAM OBJECTIVES

The objectives of the on-site soil field screening analytical program were to evaluate the downgradient, lateral, and vertical distribution of contamination in overburden soil, and identify critical samples for off-site laboratory analysis. For the purpose of this on-site/off-site data comparison action levels to evaluate the data sets were based on Category S-1 soils cleanup criteria outlined in the Massachusetts Contingency Plan (MCP) (MADEP, 1995). A summary of target compound action levels for each target compound evaluated using the on-site methods is outlined below:

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	Action Level $(\mu g/g)$
Benzene	10
Toluene	90
Ethylbenzene	80
Total Xylenes	500
1,1-Dichloroethene	0,3
Chloroform	0.1
1,1,1-Trichloroethane	30
Carbon Tetrachloride	1
Trichloroethene	0.4
Tetrachloroethene	0.5
TPH	500

D.5.4 DATA COMPARISON AND EVALUATION

Comparability of the data was evaluated using two separate comparisons outlined in Section 4.6 of the POP (ABB-ES, 1995). The first comparison evaluates agreement based on detection of analytes relative to action levels. The second comparison evaluates data based on relative percent differences (RPDs) between split samples. Results of the on-site/off-site analyses are summarized on Table D-24.

D.5.4.1 Comparison 1

In this comparison on-site and off-site results were organized into one of the four categories described below:

1. Both on-site and off-site analyses had the target compounds detected/non-detected at concentrations less than the action levels.

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- 2. Both on-site and off-site analyses had the target analytes detected at concentrations greater than action levels.
- 3. The target compounds were reported above action levels for on-site and the off-site data results were less than action levels.
- 4. The target compounds were reported above the action level off-site and the on-site results were less than the action levels.

A primary assumption of the comparison was that the off-site data represented the accurate definitive data when comparing results. Sample data which fall within categories 1 and 2 represent agreement between on-site and off-site analytical results. Sample data in category 3 suggested a high bias in the on-site results. Sample data in category 4 suggest a low bias in on-site results. The analytical goal of the program was to have over 95 percent of the results fall into categories 1, 2 and 3.

The detection of target VOCs by the on-site laboratory relative to action levels was confirmed by the off-site laboratory. The majority of the soil samples fell within Category 1. One exception was the split sample result for EX570704 and EF570704, where one target compound (1,1-dichloroethene) fell into Category 3. This sample was analyzed at a 145X dilution and the 1,1-dichloroethene detection was identified as possible laboratory contamination at the time of analysis in the field. 1,1,-Dichloroethene contamination was not observed in other field screening samples and no trend is apparent. The off-site results confirm that the on-site 1,1-dichloroethene detection was a false positive. Overall, these results

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indicate good comparison of on-site and off-site results for volatile organic compounds, and that the goals of the field program for usability of on-site results were met.

The results of all split sample analysis fell into Category 1 and Category 2 indicating complete agreement for the on-site and off-site analyses relative to action levels for fuel hydrocarbons. These data indicate that the on-site data are adequate for the evaluation of the distribution of hydrocarbons at the 500 μ g/g action levels.

D.5.4.2 Comparison 2

For the second comparison, relative percent difference (RPD) values were calculated for associated on-site/off-site surface soil samples. Calculation of RPD is outlined in the POP (ABB-ES, 1995). RPD values were compared to USEPA Region I duplicate criteria of 50%.

VOCs

The majority of results were non-detects in both the on-site and off-site laboratory indicating consistent agreement with the absence of contamination for VOCs. RPDs for the majority of samples with VOCs detected exceeded the 50 RPD project goal. In many of the samples low concentrations of VOCs were reported at, or near, the reporting limit of the other split sample. Examples of this can be seen in samples BX570515, EX570200, EX571000, and EX571700. Detection limits for soils are in the low part per billion range and lack of quantitative agreement at these low concentrations are not interpreted to impact use of field

screening results. In some samples, concentrations of VOCs reported for the onsite screening analysis was much greater than concentrations reported in the offsite analysis. Example of these results can be seen in samples EX570704, EX570502, and RXZW3006. Affected compounds include BTEX and chlorobenzene. These results indicate high bias of on-site results by as much as two of three orders of magnitude, and the possibility of false positive reporting of additional target analytes. In all the above samples high concentrations of TPH was detected indicating the presence of fuel contamination at the sample location. The on-site method for BTEX and chlorobenzene utilized a single column GC/PID analysis for BTEX and chlorobenzene with no second column confirmation. It is highly likely that BTEX concentrations were over estimated due to interference from non-target fuel hydrocarbons. False positive identification of chlorobenzene may also have occurred due to interference with non-target fuel hydrocarbons. The off-site analysis was conducted using GC/MS confirmation of target analytes so interference from non-target hydrocarbon would not results in quantitative interferences or false positive identification of compounds.

It is important to note that evidence had also been published indicating the possibility of low bias off-site results due to loss of VOCs during sample collection and handling using bulk sampling procedures (Liikala, 1995). It is possible that concentrations reported at the on-site laboratory may be more representative of actual site conditions. However, for the purpose of this comparison, on-site results are considered potentially biased high.

TPH

In the majority of samples TPH was reported as a non-detect in both samples. RPDs of samples with detected TPH ranged from 7% to 200% with the majority of RPDs outside the 50% project goal. There was good correlation of split sample results relative to general concentrations reported. In all samples with detects reported, concentrations trends between high and low values agreed well. These results indicate that TPH data are adequate for determination of presence and absence of fuel contamination and the determination of the relative concentrations of contamination at the sites, however, reported concentrations should be considered estimated values.

D.5.5 CONCLUSIONS

There was a strong qualitative and quantitative correlation between the on-site and off-site laboratories. The goal of 95 percent of on-site/off-site data characterized by conditions specified in categories 1, 2 or 3 was achieved (ABB-ES, 1995), based on results presented in Comparison 1. The comparison results indicate that screening results provided adequate data to identify the presence or absence of contamination at action levels based on MCP Category S-1 soil cleanup criteria (MADEP, 1995).

Comparison 2 reviewed RPD results. An evaluation of RPDs indicates low concentrations of VOCs at, or near, the on-site laboratory reporting limits should be considered estimated values. Results for on-site analyses for the VOC target

Harding Lawson Associates

compounds BTEX and chlorobenzene at sample locations containing fuel contamination may be biased high and contain possible false positive identifications for these compounds. Bias is possibly a result of interferences with fuel-related compounds and limitations of the GC/PID used at the on-site laboratory. Off-site data generated using GC/MS analyses should be used to confirm the detections and concentration ranges of these compounds. The TPH results are adequate for qualitative and semi-quantitative uses, but reported concentrations should be considered estimated.

REFERENCES

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U.S. Environmental Protection Agency (USEPA), 1993. "Data Quality Objectives Process for Superfund"; Office of Solid Waste and Emergency Response; EPA540-R-93-071; September 1993.

TABLE D-1 SUMMARY OF ANALYTICAL PARAMETERS

Parameter	MATRIX (SOIL/WATER)	USAEC METHOD NUMBER	EQUIVALENT USEPA METHOD NUMBER	METHOD DESCRIPTION	LABORATORY/ ARMY-CERTIFIED REPORTING LIMIT
pН	Water	No Certified Method	150.1	Measured in Field	N/A
Temperature	Water	No Certified Method	170.1	Measured in Field	N/A
Turbidity	Water	No Certified Method	180.1	Measured in Field	N/A
Conductivity	Water	No Certified Method	120.1	Measured in Field Electrode	N/A
RedOX	Water	No Certified Method	SM 2580b	Measured in Field	N/A
Total Suspended Solids	Water	No Certified Method	160.2	Gravimetric	4000 μg/L
Total Dissolved Solids	Water	No Certified Method	160.1	Gravimetric	10,000 μg/L
Alkalinity	Water	No Certified Method	301.0	Titrimetric	5000 μg/L
Total Organic Carbon	Soil	No Certified Method	SW 9060	Infrared	360 µg/g
	Water	No Certified Method	SW 9060	Infrared	1000 <i>μ</i> g/L
Nitrate/Nitrite	Water	TF22	351.2	Colorimetric	10 μg/L
Hardness	Water	N/A	130.2 or SM2340B	Titration or Calculation	1000 <i>μ</i> g/L
Anions	Water	TT10	300.0	lon Chromatography (Chloride, sulfate)	Chloride - 2,120 <i>µ</i> g/L Sulfate - 10,000 <i>µ</i> g/L
	Water	TF27	365.2	Colorimetric Total Phosphorous	Phosphate - 13.3 μg/L
TKN (Kjeldahl)	Water	No Certified Method	351.2	Calorimetric	183 <i>µ</i> g/L
Carbonate/ Bicarbonate	Water	No Certified Method	310.1	Titrimetric	N/A
Total Petroleum	Water	No Certified Method	418.1	Infrared	100 <i>μ</i> g/L
Hydrocarbons	Soil	No Certified Method	SW 9071/418.1	Infrared	21 <i>µ</i> g/g
Aluminum	Water	SS10	200.7	ICP	141 <i>µ</i> g/L
	Soil	JS16	SW 6010	ICP	14.1 <i>µ</i> g/g

TABLE D-1 SUMMARY OF ANALYTICAL PARAMETERS

AOC 57, 63AX, AND 69W REMEDIAL INVESTIGATION FORT DEVENS, MASSACHUSETTS

PARAMETER	MATRIX (SOIL/WATER)	USAEC METHOD NUMBER	EQUIVALENT USEPA METHOD NUMBER	METHOD DESCRIPTION	LABORATORY/ ARMY-CERTIFIED REPORTING LIMIT
Antimony	Soil	JS16	SW 6010	ICP	3.8 <i>µ</i> g/g
	Water	SD28	•	GFAA	3.03 µg/L
	Soil	JD25	-	GFAA	1.09 <i>µ</i> g/g
Arsenic	Water	SD22	206.2	GFAA	2.54 <i>µ</i> g/L
	Soil	JD19	SW 7060	GFAA	0.25 <i>µ</i> g/g
Barium	Water	SS10	200.7	ICP	5.0 <i>µ</i> g/L
	Soil	JS16	SW 6010	ICP	29.6 <i>μ</i> g/g
Beryllium	Water	SS10	200.7	ICP	5.0 <i>µ</i> g/L
	Soil	JS16	SW 6010	ICP	1.86 <i>µ</i> g/g
Cadmium	Water	SS10	200.7	ICP	4.01 μg/L
	Soil	JS16	SW 6010	ICP	3.05 <i>µ</i> g/g
Calcium	Water	SS10	200.7	ICP	500 μg/L
	Soil	JS16	SW 6010	ICP	59.0 <i>μ</i> g/g
Chromium	Water	SS10 .	200.7	ICP	6.02 <i>µ</i> g/L
	Soil	JS16	SW 6010	ICP	12.7 <i>µ</i> g/g
Cobalt	Water	SS10	200.7	ICP	25 μg/L
	Soil	JS16	SW 6010	ICP	15.0 <i>µ</i> g/g
Copper	Water	SS10	200.7	ICP	8.09 µg/L
	Soil	JS16	SW 6010	ICP	58.6 μg/g
iron	Water	SS10	200.7	ICP	42.7 μg/L
	Soil	JS16	SW 6010	ICP	50.0 <i>μ</i> g/g
Lead	Soil	JS16	SW 6010	ICP	6.62 µg/g
	Soil	JD17	SW 7421	GFAA	0.177 μg/g
	Water	SD20	239.2	GFAA	1.26 μg/L

W0059621.T80/2 9144-03

TABLE D-1
SUMMARY OF ANALYTICAL PARAMETERS

Parameter	Matrix (Soil/Water)	USAEC METHOD NUMBER	EQUIVALENT USEPA METHOD NUMBER	METHOD DESCRIPTION	LABORATORY/ ARMY-CERTIFIED REPORTING LIMIT
Magnesium	Water	SS10	200.7	ICP ·	500 μg/L
	Soil	JS16	SW 6010	ICP	50.0 μg/g
Manganese	Water	SS10	200.7	ICP	2.75 µg/L
	Soil	JS16	SW 6010	ICP	0.275 <i>μ</i> g/g
Mercury	Water	SB01	245.1	CVAA	0.243 μg/L
	Soil	JB01	SW 7471	CVAA	0.05 <i>µ</i> g/g
Nickel	Water	SS10	200.7	ICP	34.3 <i>µ</i> g/L
	Soil	JS16	SW 6010	ICP	12.6 <i>µ</i> g/g
Potassium	Water	SS10.	200.7	ICP ,	375 μg/L
	Soil	JS16	SW 6010	ICP	37.5 <i>μ</i> g/g
Selenium	Water	SD21	270.2	GFAA	3.02 <i>µ</i> g/L
	Soil	JD15	SW7740	GFAA	0.25 <i>μ</i> g/g
Silver	Water	SD23	272.2	GFAA	0.25 <i>μ</i> g/L
	Soil	JD18	SW 7761	GFAA	.025 <i>µ</i> g/g
	Water	SS10	200.7	ICP	4.6 μg/L
	Soil	JS16	SW 6010	ICP	2.5 <i>µ</i> g/g
Sodium	Water	SS10	200.7	ICP	500 <i>μ</i> g/L
	Soil	JS16	SW 6010	ICP	150 <i>µ</i> g/g
Thallium	Water	SD09	279.2	GFAA	6.99 <i>µ</i> g/L
	Soil	JD24	SW846 7841	GFAA	0.5 µg/g
Vanadium	Water	SS10	200.7	ICP	11.0 <i>μ</i> g/L
	Soil	JS16	SW 6010	ICP	13 <i>μ</i> g/g
Zinc	Water	SS10	200.7	ICP	21.1 μg/L
	Soil	JS16	SW 6010	ICP	30.2 μg/g
Semivolatile Organic Compounds	Water	UM18	625	Extraction,GC/MS	See POP
	Soil	LM18	SW 8270	Extraction,GC/MS	See POP

TABLE D-1 SUMMARY OF ANALYTICAL PARAMETERS

AOC 57, 63AX, AND 69W REMEDIAL INVESTIGATION FORT DEVENS, MASSACHUSETTS

Parameter	MATRIX (SOIL/WATER)	USAEC METHOD NUMBER	EQUIVALENT USEPA METHOD NUMBER	METHOD DESCRIPTION	LABORATORY/ ARMY-CERTIFIED REPORTING LIMIT
Volatile Organic Compound	Water	UM20	624	Purge and Trap, GC/MS	See POP
	Soil	LM19	SW 8240	Purge and Trap, GC/MS	See POP
Pesticides/PCBs	Water	UH13	608	Extraction, GC	See POP
	Soil	LH10	SW 8080	Extraction, GC-EC	See POP
GRO	Water	No Certified Method	Modified 8015	GC/FID	400 <i>µ</i> g/L
	Soil	No Certified Method	Modified 8015	GC/FID	8 <i>µ</i> g/g
DRO	Soil	No Certified Method	Modified 8015	GC/FID	8 µg/g

Notes:

POP =

Project Operations Plan; Fort Devens, Massachusetts, Data Item A004/A006; U.S. Army Environmental Center; Aberdeen Proving

Ground, Maryland; May 1995.

SW =

EPA "Test Methods for Evaluating Solid Wastes", SW-846, September 1986

GRO

Gasoline Range Organics

DRO = Diesel Range Organics

Source: ESE, 1991.

TABLE D-2 ELEMENTS DETECTED IN SOIL METHOD BLANKS

ELEMENT	FREQUENCY OF DETECTION	Concentration Range (µg/g)	CRL (vg/g)
Aluminum	3/3	482 - 520	14.1
Barium	3/3	8.73 - 9.51	29.6
Calcium	3/3	235 - 269	59.0
Copper	1/3	1.01	58.6
Iron	3/3	955 - 1030	50.0
Lead 1	3/3	0.756 - 0.816	
Potassium	3/3	179 - 198	37.5
Magnesium	3/3	130 - 150	50.0
Manganese	3/3	21 - 28.9	0.275

¹ = Results from GFAA. Lead was also analyzed by ICP but all results were below the CRLs.

TABLE D-3 VOCS DETECTED IN METHOD BLANKS FOR WATER

COMPOUND	FREQUENCY OF DETECTION	CONCENTRATION RANGE (µg/L)	CRL (μg/L)
Acetone ¹	. 1/7	17	13
Methylene Chloride 1	1/7	5.7	2.3
Chloroform ¹	1/7	2.1	0.5

¹ = Data from method blanks analyzed during the 1995 Field Investigation.

TABLE D-4 SVOCS DETECTED IN WATER METHOD BLANKS

COMPOUND	FREQUENCY OF DETECTION	CONCENTRATION RANGE (µg/L)	CRL (µg/L)
Target SVOCs			
Diethyl phthalate 1	1/5	2.2	2
bis(2-ethylhexyl)phthalate 2	1/3	400	4.8
SVOC TICs			
Dioctyl adipate 1	1/5	20	Not determined
Toluene 1	1/5	3	Not determined

^{1 =} Detected in method blanks analyzed during the 1995 Field Investigation.

² = Detected in method blanks analyzed during the 1996 Round 2 Groundwater sampling event.

TABLE D-5 SVOCS DETECTED IN METHOD BLANKS FOR SOIL

Compound	FREQUENCY OF DETECTION	Concentration Range (µg/g)	CRL (µg/g)
Target SVOCs			
di-n-butyl phthalate 1	1/12	0.08	0.061
SVOC TICs			
nonacosane 1	1/12	0.3	Not determined

¹ = Detected in method blanks analyzed during the 1995 field investigation.

TABLE D-6 - ELEMENTS DETECTED IN RINSE BLANKS

ELEMENT	FREQUENCY OF DETECTION	Concentration Range (µg/L)	CRL (µg/L)
Mercury	2/6	0.242 - 0.463	0.243
Lead ¹	1/6	1.63	1.37
Iron	4/6	70.5 - 543	38.8
Potassium	1/6	755	375
Manganese	1/6	3.6	2.75

¹ = Lead analyzed by graphite furnace atomic adsorption

Table D-7 · VOCs Detected in Rinse Blanks

COMPOUND	FREQUENCY OF DETECTION	CONCENTRATION RANGE (µg/L)	CRL (µg/L)
1,1,1-Trichloroethane	5/6	1.2 - 2.4	0.5
Acetone	2/6	18	13
Carbon Tetrachloride	1/6	1.2	0.58
Chloroform	3/6	0.59 - 1.7	0.5
Methylene Chloride	5/6	4 - 9.3	2.3

TABLE D-8 SVOCS DETECTED IN RINSE BLANKS

COMPOUND	FREQUENCY OF DETECTION	Concentration Range (µg/L)	CRL (µg/L)
Target SVOCs			
Bis (2-ethylhexyl) phthalate	4/6	6.1 to 14	4.8
Benzyl alcohol	1/6	7.4	0.72
SVOC TICs			
N,N-diethyl-3-methylbenzamide	1/6	9	Not Determined
benzyl adipate	1/6	40	Not Determined
unknown non-target SVOCs	1/6 to 3/6	4 - 10	Not Determined

TABLE D-9 **VOCS DETECTED IN TRIP BLANKS**

COMPOUND	FREQUENCY OF DETECTION	Concentration Range (µg/L)	CRL (µg/L)
Target VOCs			
Carbon Tetrachloride 1	1/16	2.3	0.58
Tetrachloroethene 1	1/16	3.4	1.6
Chloroform ¹	1/6	3.5	0.5
Methylene Chloride 1	9/16	2.5 - 5.6	2.3
Methylene Chloride ²	1/2	2.7	2.3
Acetone ²	1/2	· 14	13
VOC TICs			
Hexane ¹	1/16	6	Not Determined

Detected in trip blanks analyzed during the 1995 Field Investigation.
 Detected in trip blanks analyzed during the 1996 Round 2 Groundwater sampling event.

TABLE D-10

Chemical Quality Control Report Installation: Fort Devens, MA (DV) Group 4 Sites

Method Description	IRDMIS Method Code	Test	IRDMIS Field Sample Number	Lab Number Lot	Sample Date	Analysis Date	Spike Value	Value <	Original Sample Value Unite	Percent Recovery	RPD
	8015	DIESEL	DX570500			20-SEP-95	919	817		88.9	63.7
	8015	DIRSEL	DXZW0200			16-SBP-95	407		8 039	8.66	8.5
	8015	DIESEL	DXZW0200	DV4S*391 OEXJ	11-SEP-95	16-SEP-95	407	374 <	8 129	91.9	8.2

		avg.								107.3	
		minimum								88.9	
		maximum								171.9	
	8015	TPHGAS	EX570506	DV48*105 QRAK	19-SEP-95	16-0CT-95	410	307 <	8 036	74.9	0.0
	8015	TPHGAS	EX570506	DV4S*105 QEAK	19-SEP-95	16-0CT-95	410	307 <	9000 8	74.9	0.0
	8015	TPHGAS	EX571502	DV43*115 QKBK	21-SBP-95	27-0CT-95	531	623 <	98	117.3	4.3
	8015	TPHGAS	EX571502	DV4S*115 QEBK	21-SRP-95	27-0CT-95	531	597 <	9 nag	112.4	4.3
	8015	TPHGAS	DXS70500	DV4S*191 QEYJ	13-SEP-95	20-SBP-95	918	1490 <	8 UGG	162.3	54.8
	8015	TPHGAS	DX570500	DV4S*191 QRYJ	13-SEP-95	20-SEP-95	918	849 <	8 UGG	92.5	54.8
	8015	TPHGAS	DXZW0200	DV4S*391 QEXJ	11-SRP-95	16-SRP-95	411	346 <	8 UGG	84.2	0.0
	8015	TPHGAS	DXZW0200	DV48*391 QEXJ	11-SBP-95	16-SBP-95	411	346 <	. 1920 8	84.2	0.0

		avg	-							100.3	
		minimum								74.9	
		maximum								162.3	
TOC IN SOIL	9060	TOC	DV4S*153	DV48*153 ZENJ	21-SRP-95	16-0CT-95	6010	5290 <	360 033	88.0	2.9
TOC IN SOIL	9060	TOC	DV4S*153	DV4S*153 ZENJ	21-SRP-95	16-0CT-95	4250	3850 <	360 UGG	90.6	2.9
Z	9060	1 00	BX570615	DV4S*158 ZERJ	04-0CI-95	26-0CT-95	5740	4990	561 033	86.9	11.5
TOC IN SOIL	9060	1 00	BX570615	DV4S*158 ZERJ	04-0CI-95	26-0CT-95	4090	3170	561 UGG	77.5	11.5
Z	9060	1 0C	DX570500	DV4S*191 ZEJJ	13-SBP-95	09-0CI-95	25500	31900	84900 UGG	125.1	39.4
Z	9060	1 00	DX570500	DV4S*191 ZEJJ	13-SRP-95	09-0CI-95	19900	16700	84900 UGG	83.9	39.4
Ä	9060	10 C	DX570900	DV4S*198 ZEHJ	12-SEP-95	03-OCT-95	49400	26700	226000 UGG	54.0	193.5
Z	9060	1 90	DX570900		12-SBP-95	03-0CI-95	40400	360	226000 UGG	6.	193.5
Ľ	9060	TOC	BXZW1607		20-SEP-95	16-0CI-95	7060	6420	671 033	90.9	10.0
Z	9060	10C	BXZW1607		20-SEP-95	16-OCT-95	4240	3490	_	82.3	10.0
Z	9060	1 00	DXZW0200		11-SRP-95	03-0CT-95	2480	3280	_	132.3	50.2
TOC IN SOIF	0906	Toc	DXZW0200	DV4S*391 ZEHJ	11-SBP-95	03-OCT-95	2160	1710	2400 UGG	79.2	50.2
		******							•	1	
		avg							•	82.6	
		minimum						-		6.	

Chemical Quality Control Report Installation: Fort Devens. MA (FW)

						Installatio	Installation: Port Devens, MA (DV) Group 4 Sites	MA (DV)		,			
			•				MS/MSD						
Method Description	IRDMIS Method Code	Test Name	IRCMIS Field Sample Number			Sample Date	Analysis Date	Spike Value	Value <	F *	iginal Jample Value Unite	Percent Recovery	RPD
HARDNESS	1302	HARD	MXG302X1	DV4W*163	E WALCE	31-0CT-95	09-NOV-95	00008	84000	2000		105.0	
HARDNESS	1302	HARD	MXG302X1			31-0CT-95	26-VON-60	80000	82000	20000		102.5	7 7
HARDNESS	1302	HARD	MX5701X1		PJNW 3	30-0CT-95	96-VON-60	80000	28000	14000		35.0	0.0
HARDNESS	1302	HARD	MX5701X1			30-0CF-95	09-NOV-95	80000	28000	14000		35.0	0.0
HARDNESS	1302	HARD	WX5705XX			13-SBP-95	26-SBP-95	200000	202000	106000		101.0	1.5
HARDNESS	1302	HARD	WX5705XX		•	13-SRP-95	26-SRP-95	200000	199000	106000		99.5	1.5
HARDNESS	1302	HARD	MXAX02X1			31-0CT-95	09-NOV-95	80000	4000	14000		5.0	120.0
HARDNESS	1302	HARD	MXAX02X1			31-0cT-95	09-NOV-95	80000	1000	14000		1.3	120.0
HAPPANGO	7307	HAKU Gara	MAZWI OX3	DV4W*2/1		02 -NOV -95	09-NOV-95	80000	1000	24000		1.3	0.0
THEKINDSS	7967	FARED	EVOTATOVI		MNG	02-NOV-95	56-VON-60	00008	1000	24000	700 OC	1.3	0.0
			•										
		minimum										48.7	
		maximum	,									105.0	
•													
ALKALINITY	3101	AIK	MX5707X1	DV4W*179 1	PULW 3	31-0CF-95	09-NOV-95	118000	114000	7000	TEI O	9.96	6
ALKALINITY	3101	ALK	MX5707X1	DV4W*179 I	PJIM 3	31-OCT-95	09-NOV-95	118000	113000	7000		95.8	9
ALKALINITY	3101	ALK	MX5704B1	DV4W*185 1	PJOW 0	01-NOV-95	13-NOV-95	118	116000	18000		98305.1	6
ALKALINITY	3101	ALK	MX5704B1			01-NOV-95	13-NOV-95	118	115000	18000		97457.6	9
ALKALINITY	3101	ALK	WX5703XX			13-SRP-95	22-SEP-95	118000	125000	34000		105.9	2.4
ALKALINITY	3101	ALK	WX5703XX			13-SBP-95	22-SRP-95	118000	122000	34000	O USE	103.4	2.4
ALKALINITY	3101	ALK	MXZW14X3			03-NOV-95	13-NOV-95	118	118000	27000		100000.0	1.7
ALKALINITY	3101	ALK	MXZW14X3			03-NOV-95	13-NOV-95	118	116000	27000		98305.1	1.7
ALKALINITY	3101	ALK	MDG307X1			31-0CT-95	09-NOV-95	118000	122000	13000	O UGE	103.4	2.5
ALKALINITY	3101	AĽK	MDG307X1	DV4W*448 E	PATEW 3	31-0CT-95	09-NOV-95	118000	119000	13000	JEM O	100.8	2.5
		55.4										* 19701	
		arinima mainima										4746/.4	
		maximum										1000001	
	8015	DIESEL	EX570506	DV4S*105 C		19-SEP-95	16-0CT-95	410	4 00		8 UGG	97.6	r:
	8015	DIESEL	EX570506	DV4S*105 Q		19-SEP-95	16-0CT-95	410	399 <	•	8 UGG	97.3	m.
	8015	DIESEL	EX571502	DV48*115 Q		21-38P-95	27-0CI-95	531	582 <		8 UGG	109.6	8.0
	8012	DIESEL	EX571502	DV4S*115 C		21-SBP-95	27-0CT-95	531		i		101.1	8.0
	ctns	DIRSEL	0050/5VD	DV4S*191 QRYJ		13~5RP-95	20-SEP-95	919	1580	52.5	s DGG	171.9	63.7

Chemical Quality Control Report Installation: Fort Devens, MA (DV) Group 4 Sites

Method Description	IRDMIS Method Code	Test Name	IRCMIS Field Sample Number	Lab Number	rot 1	Sample Date	Analysis Date	Spike Value	Value	O V	original Sample Value Units	Percent Recovery	RPD
		maximum		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		# # # # # # # # # # # # # # # # # # #		1 1 1 1 1 1 1 1 1	! ! ! ! ! ! !			132.3	
						,				•			(
Hall	9071	TPHC	EX570506	DV4S*105	ZEMJ 1	19-SBP-95	10-0CT-95	854		v	•	7.06	9 (
	9071	TPHC	EX570506	DV4S*105	ZEMJ 1	19-38P-95	10-0CT-95	854	775	v		20.1	0.0
Thu	9071	TPHC	EX571502		• •	21-SEP-95	16-0CT-95	44200	19300		_	43.7	39.8
Ira	9071	TPHOL	RX571502		•	21-SEP-95	.16-0CT-95	44200	12900		_	29.5	39.8
TEH	9071	TPHC	BX570319		•••	27-SEP-95	18-0CT-95	1360	1410		_	103.7	3.6
HAI.	1/07	CHOL	BX570319		•	27-SEP-95	18-0CT-95	1360	1360		_	100.0	3.6
HAL	107	CHAL	DX570500		•	13-SRP-95	09-0CI-95	2550	1310		_	51.4	169.0
Hall	100	1011	DX570500			13-SEP-95	09-0CI-95	2550	110		3170 UGG	4.3	169.0
HAI	106	TOHOL	BYAYOOG			27-SBP-95	18-0CT-95	1230	1300		_	105.7	9.7
TPH	100	THOL	RXAXOZOG			27-SEP-95	18-0CT-95	1230	1180			95.9	9.7
HAI	100	Did.	BYAYOZOS			28-SRP-95	24-0CT-95	1180	1190		-	100.8	3.4
TPH	1/06	Todu	RXAXO302			28-SEP-95	24-0CT-95	1180	1150		35.7 UGG	97.5	9·4
HAI	9071	TORUL	RX ZWO 200			19-SBP-95	10-0CT-95	871	1120		98 UGG	128.6	28.3
IPH	100	CHOL	BXZW0200			19-SRP-95	10-0CI-95	871	843		98 UGG	96.8	28.3
HAT	100	Char	AKROKONY			27-DBC-95	23-JAN-96	929	099		413 UGG	71.0	29.8
HAL	100	TDHU	AXR9503X			27-DEC-95	23-JAN-96	929	489		_	52.6	29.8
HAI	1700	That	DXZWOZOO			11-SRP-95	04-0CT-95	848	991		Ξ.	116.9	0.0
TPH	100	TDHU	DXZMOZOO			11-SBP-95	04-0CI-95	848	991		132 UGG	116.9	0.0
Har	1	*********	•										
		E Tri										83.1	
		minim										4.3	
		maximum										128.6	
	Į,	ă	EXEZOCOK	0048#105	OHITIE	19-3RP-95	11-0CT-95	.401	.383	v	.05 UGG	95.5	6.8
IN SOIL BY	1000		DY670506			19-SRP-95	11-0CT-95	.408	.364	v	.05 UGG	89.2	8. 8.
IN SOIL BY	Togs.		EX571503		OHUR	21-SRP-95	11-0CT-95	. 523	.218	v		41.7	6.2
IN SOIL	Togo		EVE71502		OHUR	21-SRP-95	11-0CT-95	.518	.203	v	.05 UGG	39.5	6.2
IN SOLL BY	Togs.		BYE70319			27-SRP-95	19-0CT-95	.456	.435	v	.05 UGG	95.4	5.6
IN SOLL BY	Tago.	2 H	BX570319			27-SBP-95	19-0CT-95	.48	.47	v	_	97.9	5.6
1 2	TROT.	2	DX570500		OHILE	13-SRP-95	06-0CT-95	.872	.848	v		97.2	4.0
IN SOIL BY	JB01	HG	DX570500		OHTE	13-SRP-95	06-0CT-95	. 902	.843	v		93.5	4.0
TO SOLL BY	JB01	HG.	BXAX0206			27-SBP-95	19-0CT-95	.407	.376	v	_	92.4	e.
IN SOIL BY	2801	HG	BXAX0206		- •	27-SBP-95	19-0CT-95	4.	.373	V	.05 UGG	93.3	e.
TO THE NA		;				٠.							

Chemical Quality Control Report Installation: Port Devens, MA (DV) Group 4 Sites

Method Description	IRDMIS Method Code	Test	IRDMIS Field Sample Number			Analysis Date	Spike Value	Value <	original Sample Value Units	Percent Recovery	крр
HG IN SOIL BY GPAA	JB01	HG	BXZW0200			11-0CT-95	.386	!	1	90.2	٠
SOIL BY	JB01	HG.	BXZW0200			11-0CF-95	.413		. 05 U3G	99.6	٠ . م
IN SOIL BY	JB01	2	DX ZW0200			06-UCI-95	• ;	> 774.		100.0	; (
HG IN SOIL BY GPAA	JB01	뫞	DX ZW0200	DV4S*391 QHTB	3 11-SEP-95	06-0CT-95	.393	× 101.	.05 UGG	102.0	3.3
		******								1 1 1	
		#vg								87.3	
		minimu								39.5	
		maximum								105.5	
SE IN SOIL BY GRAN	3007	85	EX570506	DV43*105 MBOB	8 19-SEP-95	16-0CT-95	4.08	5.21 <	.25 033	127.7	ŗ,
IN SOIL BY	3015	SB	EX570506		8 19-SEP-95	16-0CT-95	4 .03	5.17 <	.25 UGG	128.3	ĸ.
IN SOIL BY	3015	38	EX571502	DV4S*115 MBQB	8 21-SEP-95	16-0CT-95	5.21	7.01	569 UGG	134.5	1.9
IN SOIL BY	3015	SR	EX571502	DV4S*115 MBQB	3 21-SEP-95	16-0CT-95	5.24	6.92	_	132.1	1.9
IN SOIL BY	3015	SR	BX570319	DV4S*147 MBSB	8 27-SBP-95	23-0CT-95	4.8	2.56 <	_	115.8	ų.
	3015	SR	BX570319	DV43*147 MBSB	8 27-SBP-95	23-0CT-95	4.71	5.44 <	_	115.5	m.
SE IN SOIL BY GPAA	JD15	SB	DX570500	DV4S*191 MBPE	8 13-SBP-95	08-OCT-95	60.6	7.91		87.0	2.1
IN SOIL BY	3015	88	DX570500	DV4S*191 MBPB		08-0CI-95	9.11	7.76		85.2	2.1
SE IN SOIL BY GFAA	3015	SB	BXAX0206	DV4S*216 MBSE	•	23-0CT-95	4.2	2.69 <		64.0	9.9
	JD15	SB	BXAX0206	DV45*216 MBSB	•	23-0CT-95	4.22	2.53 <		60.0	9.9
SE IN SOIL BY GPAA	JD15	SB	BXZW0200	DV45*248 MBQR	8 19-SRP-95	16-0CT-95	4.16	4.53		108.9	6
IN SOIL	JD15	SE	BXZW0200	DV4S*248 MBQB	8 19-SBP-95	16-0CT-95	4.07	4 .09 <	_	100.5	o.
SE IN SOIL BY GPAA	JD15	SB	AXB9503X	DV48*315 MBVB	8 27-DBC-95	18-JAN-96	4.47	4.15 <	_	97.8	۲.
	3015	SB	AXB9503X	DV4S*315 MBVE	8 27-DEC-95	18-JAN-96	4.27	3.97 <	_	93.0	۲.
IN SOIL	3015	38	DXZW0200	DV4S*391 MBPB	8 11-SEP-95	08-0CI-95	3.98	4.29 <	_	107.8	7.7
SR IN SOIL BY GPAA	JD15	SB	DXZW0200	DV4S*391 MBPB	B 11-SBP-95	08-0CT-95	4.04	4.03 <	.25 036	8.66	7.7

		avq								103.3	
		minimm				•				60.0	
		maximm								134.5	
PB IN SOIL BY GRAA	JD17	82	EX570506	DV4S*105 OBQR	8 19-SRP-95	16-0CT-95	4.08	2.72	4.62 UGG	66.7	25.5
Z	JD17	BB	EX570506	DV43*105 OBQR	8 19-SBP-95	16-0CT-95	4.03	2.08	4.62 UGG	51.6	25.5
IN SOIL BY	7105	88	BX570319	DV4S*147 OBSE	B 27-SBP-95	22-0CT-95	4.8	2.43	3.93 UGG	9.05	1.1
SOIL BY	7017	28	BX570319	DV4S*147 OBSB	8 27-SBP-95	22-0CT-95	4.71	2.41	3.93 UGG	51.2	1.1
IN SOIL BY	7000	8	BXAX0206	DV4S*216 OBSB	8 27-SBP-95	22-0CT-95	4.2	5.9	9.9 UGG	140.5	142.3
	† 	i i									

Chemical Quality Control Report Installation: Fort Devens, MA (DV) Group 4 Sites

RPD	142.3 12.1 140.5 140.5	8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	2. 4. 4. 4. 2. 2. 2. 4. 4. 4. 4. 4. 4. 4. 4. 4. 4. 4. 4. 4.
Percent Recovery	23.7 227.3 201.3 155.8 27.2 23.7 23.7	186.3 152.6 144.7 105.3 105.3 96.7 96.7 96.7 134.6 134.6 12.6 12.6 12.6 12.6	108.3 105.7 105.5
Original Sample Value Units	, , , , , , ,	11 UGG 2.14 UGG 2.14 UGG 2.14 UGG 5.75 UGG 5.75 UGG 28 UGG 18 UGG 11 UGG 11 UGG 25 UGG 25 UGG 12 UGG 11 UGG 13 UGG 13 UGG	55U 5. 55U 5. 55U 5.
Value <	0 61 1 6 6 1	, , , , , , , , , , , , , , , , , , ,	6.42 < 6.53 < 7.43 < 7.43 < 7.43 < 7.43 < 7.43 < 7.43 < 7.43 < 7.43 < 7.43 < 7.43 < 7.43 < 7.43 < 7.43 < 7.43 < 7.43 < 7.43 < 7.43 < 7.43 < 7.43 < 7.43 < 7.43 < 7.43 < 7.43 < 7.43 < 7.43 < 7.43 < 7.43 < 7.43 < 7.43 < 7.43 < 7.43 < 7.43 < 7.43 < 7.43 < 7.43 < 7.43 < 7.43 < 7.43 < 7.43 < 7.43 < 7.43 < 7.43 < 7.43 < 7.43 < 7.43 < 7.43 < 7.43 < 7.43 < 7.43 < 7.43 < 7.43 < 7.43 < 7.43 < 7.43 < 7.43 < 7.43 < 7.43 < 7.43 < 7.43 < 7.43 < 7.43 < 7.43 < 7.43 < 7.43 < 7.43 < 7.43 < 7.43 < 7.43 < 7.43 < 7.43 < 7.43 < 7.43 < 7.43 < 7.43 < 7.43 < 7.43 < 7.43 < 7.43 < 7.43 < 7.43 < 7.43 < 7.43 < 7.43 < 7.43 < 7.43 < 7.43 < 7.43 < 7.43 < 7.43 < 7.43 < 7.43 < 7.43 < 7.43 < 7.43 < 7.43 < 7.43 < 7.43 < 7.43 < 7.43 < 7.43 < 7.43 < 7.43 < 7.43 < 7.43 < 7.43 < 7.43 < 7.43 < 7.43 < 7.43 < 7.43 < 7.43 < 7.43 < 7.43 < 7.43 < 7.43 < 7.43 < 7.43 < 7.43 < 7.43 < 7.43 < 7.43 < 7.43 < 7.43 < 7.43 < 7.43 < 7.43 < 7.43 < 7.43 < 7.43 < 7.43 < 7.43 < 7.43 < 7.43 < 7.43 < 7.43 < 7.43 < 7.43 < 7.43 < 7.43 < 7.43 < 7.43 < 7.43 < 7.43 < 7.43 < 7.43 < 7.43 < 7.43 < 7.43 < 7.43 < 7.43 < 7.43 < 7.43 < 7.43 < 7.43 < 7.43 < 7.43 < 7.43 < 7.43 < 7.43 < 7.43 < 7.43 < 7.43 < 7.43 < 7.43 < 7.43 < 7.43 < 7.43 < 7.43 < 7.43 < 7.43 < 7.43 < 7.43 < 7.43 < 7.43 < 7.43 < 7.43 < 7.43 < 7.43 < 7.43 < 7.43 < 7.43 < 7.43 < 7.43 < 7.43 < 7.43 < 7.43 < 7.43 < 7.43 < 7.43 < 7.43 < 7.43 < 7.43 < 7.43 < 7.43 < 7.43 < 7.43 < 7.43 < 7.43 < 7.43 < 7.43 < 7.43 < 7.43 < 7.43 < 7.43 < 7.43 < 7.43 < 7.43 < 7.43 < 7.43 < 7.43 < 7.43 < 7.43 < 7.43 < 7.43 < 7.43 < 7.43 < 7.43 < 7.43 < 7.43 < 7.43 < 7.43 < 7.43 < 7.43 < 7.43 < 7.43 < 7.43 < 7.43 < 7.43 < 7.43 < 7.43 < 7.43 < 7.43 < 7.43 < 7.43 < 7.43 < 7.43 < 7.43 < 7.43 < 7.43 < 7.43 < 7.43 < 7.43 < 7.43 < 7.43 < 7.43 < 7.43 < 7.43 < 7.43 < 7.43 < 7.43 < 7.43 < 7.43 < 7.43 < 7.43 < 7.43 < 7.43 < 7.43 < 7.43 < 7.43 < 7.43 < 7.43 < 7.43 < 7.43 < 7.43 < 7.43 < 7.43 < 7.43 < 7.43 < 7.43 < 7.43 < 7.43 < 7.43 < 7.43 < 7.43 < 7.43 < 7.43 < 7.43 < 7.43 < 7.43 < 7.43 < 7.43 < 7.43 < 7.43 < 7.43 < 7.43 < 7.43 < 7.43 < 7.43 < 7.43 < 7.43 < 7.
Spike Value	4 4 4 7 7 7 2 2 2 4 4 4 7 7 7 7 8 8 8 4 7 7 7 8 8 8 8 9 8 8 9 8 9 8 9 9 9 9 9 9	4 4 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	4.08 4.03 5.24 5.21
Analysis Date	22-0CT-95 18-JAN-96 18-JAN-96 06-0CT-95 06-0CT-95	18-0CT-95 18-0CT-95 18-0CT-95 18-0CT-95 23-0CT-95 08-0CT-95 08-0CT-95 18-0CT-95 18-0CT-95 16-0CT-95 110-0CT-95	15-0CT-95 15-0CT-95 15-0CT-95 15-0CT-95
Sample Date	27-58P-95 27-58P-95 27-58C-95 11-58P-95 11-38P-95	19-58P-95 21-58P-95 21-58P-95 21-58P-95 27-58P-95 11-58P-95 27-58P-95 27-58P-95 11-58P-95 11-58P-95 11-58P-95 11-58P-95	19-58P-95 19-58P-95 21-58P-95 21-58P-95
Lab Number Lot		DV48*105 QBVB DV48*115 QBVB DV48*115 QBVB DV48*147 QBXB DV48*191 QBUB DV48*191 QBUB DV48*216 QBXB DV48*216 QBXB DV48*216 QBXB DV48*216 QBXB DV48*218 QBVB DV48*315 QBAB DV48*315 QBAB DV48*315 QBAB DV48*315 QBAB	DV4S*105 RBFB DV4S*105 RBFB DV4S*115 RBFB DV4S*115 RBFB
IRDMIS Field Sample Number		EX570506 EX570506 EX571502 EX571502 EX570319 DX570500 DX570500 DX570500 DX570500 DX570500 DX570500 DX570200 AXB9503X AXB9503X AXB9503X AXB9503X AXB9503X AXB9503X	EXS70506 EXS70506 EXS71502 EXS71502
Test	PB PB PB PB PB PB PB PB PB PB PB PB PB P	AS AS AS AS AS AS AS AS AS AS AS AS AS A	1111
IRDMIS Method Code	9017 9017 9017 9017	0119 0119 0119 0119 0119 0119 0119 0119	3024 3024 3024 3024
Method Description	PB IN SOIL BY GFAA PB IN SOIL BY GFAA PB IN SOIL BY GFAA PB IN SOIL BY GFAA PB IN SOIL BY GFAA	AS IN SOIL BY GFAA AS IN SOIL BY GFAA	TL IN SOIL BY GPAA TL IN SOIL BY GPAA TL IN SOIL BY GPAA TL IN SOIL BY GPAA

Chemical Quality Control Report Installation: Port Devens, MA (DV) Group 4 Sites

Method Description	IRDMIS Method Code	Hest Name	IRDMIS Field Sample Number	Lab Namber Lot	Sample Date	Analysis Date	Spike Value	Value <	Original Sample Value Units	Percent Recovery	RPD
TL IN SOIL BY GPAA	JD24	1	BX570319	DV4S*147 RBGB	27-SBP-95	22-0CT-95	4.8	5.15 <	een s.	107.3	6.
	3024	11	BX570319	DV48*147 RBGB	27-SRP-95	22-0CT-95	4.71	5.01 <	-	106.4	٠.
IN SOIL BY	JD24	1	DX570500	DV4S*191 RBKB	13-SRP-95	09-0CI-95	9.11	9.58 <		105.2	9.
IN SOIL BY	JD24	11	DX570500	DV4S*191 RBEB	13-SRP-95	09-0CI-95	60.6	9.5		104.5	9.
TL IN SOIL BY GPAA	JD24	1	BXAX0206	DV4S*216 RBGB	27-SRP-95	22-0CT-95	4.2	4.42 <		105.2	9.0 8
TL IN SOIL BY GPAA	JD24	井	BXAX0206	DV4S*216 RBGB	27-SBP-95	22-0CI-95	4.22	4.31 <		102.1	3.0
	JD24	Ħ	BXZW0200	DV4S*248 RBFB	19-SRP-95	15-0CT-95	4.07	4.02 <		98.8	2.5
IN SOIL BY	JD24	11	BXZW0200	DV4S*248 RBFB	19-SEP-95	15-0CI-95	4.16	4.2	eson s.	101.0	2.5
IN SOIL	JD24	Ħ	AXB9503X	DV4S*315 RBHB	27-DEC-95	16-JAN-96	4.27	4.68 <	.5 UGG	109.6	0.0
Z	JD24	Ħ	AXB9503X	DV4S*315 RBHB	27-DEC-95	16-JAN-96	4.47	4.9	.s 100g	109.6	0.0
IN SOIL	JD24	#	DXZW0200	DV4S*391 RBEB	11-SEP-95	09-0CI-95	4.04	4.02 <	.5 UGG	99.5	.7
SOIL	JD24	Ę	DXZW0200	DV45*391 RBEB	11-SBP-95	09-0CI-95	3.98	3.99 <	.s ugg	100.3	.7
		*******						•		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
		BV#			•					104.6	
		minim								98.8	
		maximum								109.6	
SB IN SOIL BY GPAA	3025	SB	EX570506	DV4S*105 SBNB	19-SRP-95	18-0CT-95	8.05	8.97 <	1.09 UGG	111.4	1.7
IN SOIL BY	JD25	SB	EX570506	DV4S*105 SBNB	19-SRP-95	18-0CT-95	8.09	8.86 <	1.09 UGG	109.5	1.7
IN SOIL BY	3025	38	EX571502	DV4S*115 SBNB	21-SBP-95	18-0CT-95	10.4	11.9 <	_	114.4	ĸ
IN SOIL BY	JD25	88	EX571502	DV4S*115 SBNB	21-SBP-95	18-0CT-95	10.1	11.5 <	1.09 UGG	113.9	ĸ.
SB IN SOIL BY GPAA	JD25	SB	BX570319	DV4S*147 SBOB	27-SEP-95	25-0CT-95	9.59	7.88 <	1.09 UGG	82.2	.
SB IN SOIL BY GPAA	JD25	SB	BX570319	DV4S*147 SBOB	27-SEP-95	25-0CI-95	9.47	7.72 <	_	81.5	æ.
	JD25	SB	DX570500	DV4S*191 SBMB	13-SEP-95	19-0CT-95	18.1	22.8 <	-	126.0	9.
SB IN SOIL BY GPAA	JD25	88	DX570500	DV45*191 SBMB	13-SEP-95	19-0CI-95	18	22.8 <	1.09 U3G	126.7	9.
SB IN SOIL BY GFAA	JD25	SB	BXAX0206	DV4S*216 SBOB	27-SRP-95	25-0CT-95	8.43	8.54 <		101.3	٦.
SB IN SOIL BY GPAA	JD25	38	BXAX0206	DV4S*216 SBOB	27-SBP-95	25-0CI-95	8.42	8.52 <	1.09 UGG	101.2	7.
SB IN SOIL BY GPAA	JD25	SB	BXZW0200	DV4S*248 SBNB	19-SEP-95	18-0CT-95	8.19	8.86	•	108.2	1.0
SE IN SOIL BY GPAA	JD25	SB	BXZW0200	DV4S*248 SBNB	19-SEP-95	18-0CT-95	8.02	8.59 <	1.09 UGG	107.1	1.0
SB IN SOIL BY GPAA	JD25	SB	AXE9503X	DV4S*315 SBPB	27-DBC-95	23-JAN-96	8.58	8.55 <	_	7.66	1.4
SB IN SOIL BY GPAA	JD25	SB	AXE9503X	· DV48*315 SBPB	27-DBC-95	23-JAN-96	8.37	8.46 <	1.09 036	101.1	1.4
SE IN SOIL BY GPAA	JD25	SB	DXZW0200	DV4S*391 SBMB	11-SEP-95	19-0CT-95	7.94	9.77 <	1.09 UGG	123.0	3.5
SE IN SOIL BY GFAA	JD25	SB	DXZW0200	DV4S*391 SBMB	11-SBP-95	19-0CI-95	8.07	9.59 <	1.09 UGG	118.8	3.5
	•	********	_								
	•	avg								107.9	
		minimum								81.5	

Chemical Quality Control Report Installation: Fort Devens, MA (DV) Group 4 Sites

Method Description	IRDMIS Method Code	Test	IRDMIS Field Sample Number	Lab Number Lot	Sample t Date		Analysis Date	Spike Value	Value <	Original Sample Value Units	Percent B Recovery	RPD
		maximum									126.7	
IN SOIL BY	J316	A G	EX570506	DV4S*105 UB	UBVF 19-SEP-95		05-OCT-95	8.01	7.64 <	589 UGG	95.4	ú
SOIL BY	J316	A G	EX570506	DV4S*105 UB	UBVF 19-SEP-95		05-0CT-95	8.01	7.62 <	.589 UGG	95.1	۴.
IN SOIL BY	J316	AG	· EX571502	_	UBVP 21-SEP-95		05-OCT-95	10.3	9.58 <	.589 UGG	93.0	1.5
IN SOIL BY	J316	A G	EX571502	-			05-0CT-95	10.4	9.53 <	_	91.6	1.5
IN SOIL BY	J S16	AG	BX570319	-			20-0CT-95	9.49	8.77 <	_	92.4	1.4
SOIL BY	J316	A G	BX570319	-	••		20-0CI-95	9.6	6	.589 UGG	93.8	1.4
IN SOIL BY	J316	3 6	DX570500	DV4S*191 UB	UBUP 13-SRP-95	,	03-OCT-95	17.8	> 7.71	.589 UGG	₽.66	3.4
BY	JS16	AG.	DX570500	DV4S*191 UB	UBUP 13-SRP-95		03-OCT-95	17.9	17.2 <	589 UGG	196.1	3.4
IN SOIL BY	J316	A G	BXAX0206	DV4S*216 UB	UBYF 27-SRP-95		20-0CT-95	8.48	7.54 <	589 UGG	88.9	π.
BY	JS16	AG.	BXAX0206	DV4S*216 UB	UBYF 27-SRP-95		20-0CI-95	8.49	7.54 <	589 UGG	88.8	7.
METALS IN SOIL BY ICAP	J316	AG	BXZW0200	DV4S*248 UB	UBVF 19-SEP-95		05-0CT-95	8.27	7.53 <	.589 UGG	91.1	.7
METALS IN SOIL BY ICAP	JS16	AG	BXZW0200	DV4S*248 UB	UBVF 19-SRP-95		05-0CT-95	7.97	7.31 <	589 UBG	91.7	.7
METALS IN SOIL BY ICAP	JS16	AG	AXB9503X	DV4S*315 UB	UBFG 27-DEC-95		10-JAN-96	8.56	8.22 <	.589 UGG	96.0	1.6
METALS IN SOIL BY ICAP	J316	AG	AXR9503X	DV48*315 UB	UBFG 27-DBC-95		10-JAN-96	8.54	8.07 <	.589 UGG	94.5	1.6
METALS IN SOIL BY ICAP	3316	2	DXZW0200	DV48+391 UB	UBUF 11-58P-95		03-OCT-95	8.07	7.74 <	.589 UGG	95.9	1.7
METALS IN SOIL BY ICAP	J316	S	DXZW0200	DV4S*391 UB	UBUF 11-SRP-95	_	03-OCT-95	8.03	7.57 <	.589 UGG	64.3	1.7

		avg									93.6	
		minimum									88.8	
		maximum									99.4	
METALS IN SOIL BY ICAP	J316	¥	EX570506	DV4S*105 UBVF	VF 19-SRP-95	_	05-OCT-95	200	2.35	4720 UGG	4.	0.0
METALS IN SOIL BY ICAP	3181	Æ	EXS70506	DV4S*105 UBVF	VF 19-SBP-95	_	05-OCT-95	200	2.35	4720 UGG	1.2	0.0
METALS IN SOIL BY ICAP	J316	¥.	EX571502	DV4S*115 UB	UBVP 21-SBP-95		05-0CT-95	259	2.35	9720 UGG	٥.	*:
METALS IN SOIL BY ICAP	JS16	AL	EX571502	DV4S*115 UB	JBVF 21-SEP-95	_	05-0CT-95	258	2.35	9720 UGG	6.	₹.
IN SOIL BY	JS16	Æ	BX570319		YP 27-SRP-95		20-0CT-95	240	2.35		1.0	1.3
METALS IN SOIL BY ICAP	JS16	AI.	BX570319	DV4S*147 UBYF	YF 27-SEP-95		20-0CT-95	237	2.35	2220 UGG	1.0	1.3
SOIL BY	J316	¥	DX570500	DV4S*191 UBUR	JR 13-SBP-95		03-OCT-95	445	2.35	15000 UGG	2,	*
IN SOIL BY	J316	Æ	DX570500			_	03-0CI-95	447	2.35	15000 UGG	'n	۳.
IN SOIL BY	JS16	Æ	BXAX0206		-	•	20-OCT-95	212	1070	_	504.7	45.0
IN SOIL BY	JS16	ΑΓ	BXAX0206		•	•	20-0CT-95	212	677	_	319.3	45.0
IN SOIL BY	JS16	ĄĽ	BXZW0200	DV4S*248 UBVP	-	_	05-OCT-95	199	2.35	7180 UGG	1.2	136.3
IN SOIL BY	3216	¥.	BXZW0200			_	05-OCT-95	207	12.9	_	6.2	136.3
METALS IN SOIL BY ICAP	J316	¥.	AXB9503X	DV48*315 UBPG	3 27-DBC-95	•	10-JAN-96	534	1120	5010 UGG	209.7	124.3

Chemical Quality Control Report Installation: Fort Devens, MA (DV) Group 4 Sites

Method Description	IRDMIS Method Code	Test Name	IRDMIS Field Sample Number	Lab Number Lot	Sample Date	Analysis Date	Spike Value	Value <	Original Sample Value Units	Percent Recovery	RPD
METALS IN SOIL BY ICAP METALS IN SOIL BY ICAP METALS IN SOIL BY ICAP	JS16 JS16 JS16	7F FF	AXE9503X DXZW0200 DXZW0200	DV4S*315 DV4S*391 DV4S*391	444	10-JAN-96 03-OCT-95 03-OCT-95	535 202 201	262 2.35 2.35	5010 U3G 4120 U3G 4120 U3G	49.0 1.2	124.3 .5
		avy minimum maximum								68.7	
METALS IN SOIL BY ICAP METALS IN SOIL BY ICAP	JS16 JS16	BA BA	EX570506 EX570506	DV43*105 UBVP DV43*105 UBVP	19-SRP-95	05-OCT-95 05-OCT-95	60.1	64.1 54	17.2 000	106.7	17.1
METALS IN SOIL BY ICAP	J316	8 8	EXS71502	DV48*115 UBVP	21-SBP-95	05-OCT-95	77.7	78.3		100.8	6.2
IN SOIL BY	J316	S S	BX570319	-		20-0CT-95	71.2	72.9	-	102.4	1.7
METALS IN SOIL BY ICAP	J316 J316	a a	BX570319 DX570500	DV4S*147 UBYP DV4S*191 UBUP	27-SRP-95 13-SRP-95	20-0CT-95 03-0CT-95	72 133	75 138	6.91 UGG 70 UGG	104.2	3.7
METALS IN SOIL BY ICAP	JS16	8 8	DX570500	DV48*191 UBUF	13-SBP-95	03-0CT-95	134	134		100.0	3.7
IN SOIL BY	J316	5 5	BXAX0206			20-0CT-95	63.7	61.1	_	95.9	4 4 m
METALS IN SOIL BY ICAP METALS IN SOIL BY ICAP	JS16 JS16	a a	BXZW0200 ·	DV45*248 UBVF DV45*248 UBVF	19-SEP-95 19-SEP-95	05-0CT-95 05-0CT-95	62 59.8	62.2 59.1	18.4 UGG	100.3	2.5
IN SOIL BY	J316	E E	AXB9503X			10-JAN-96	64.1	71.1		110.9	1.7
METALS IN SOIL BY ICAP	JS16 JS16	a a	AXB9503X DXZW0200	DV4S*315 UBPG DV4S*391 UBUF	27-DEC-95 11-SEP-95	10-JAN-96 03-OCT-95	64.2 60.5	70 61.2	18.6 UGG 11.4 UGG	109.0	7.4 5.6
METALS IN SOIL BY ICAP	J316	BA	DX ZW0200	DV48*391 UBUP	11-SBP-95	03-0CT-95	60.2	57.6	_	95.7	5.6
		gv#								100.9	
		minimm maximum								89.9 110.9	
IN SOIL BY	JS16	BR	EX570506		• •	05-0CT-95	50.1	52.6 <	.s ugg	105.0	*
METALS IN SOIL BY ICAP	3316	88	EX570506	DV4S*105 UBVF	19-SEP-95	05-0CT-95	50.1	52.4	5. 033	104.6	₹ (
IN SOIL BY	3316	88	EX571502			05-0CT-95	64.6	65.1	. s.	100.8	4 H
METALS IN SOIL BY ICAP	J 316	BB	BX570319	DV45*147 UBYP	27-SBP-95	20-0CT-95	09	63.2 <		105.3	, o.
IN SOIL BY	J316	88	BX570319		•	20-0CT-95	59.3	61.9 <		104.4	6.
METALS IN SOIL BY ICAP	J316 J316		DX570500 DX570500	DV4S*191 UBUF DV4S*191 UBUF	13-SBP-95 13-SBP-95	03-0CT-95 03-0CT-95	111	121 < 119 <	.s ugg	109.0	2 7 9 9

Chemical Quality Control Report Installation: Fort Devens, MA (DV) Group 4 Sites

RPD	7 7 9 7 9 7 9	'n	s.	7.8	5. 8.	1.3	1.3				9.	۰.	1.8	1.8	'n	ะ	1.7	1.7	6. 6.	5.9	1.9	1.9	3.2	3.2	2.3	2.3					•	₹.	۲.
Percent Recovery	101.1	103.1	103.6	106.9	103.9	103.4	102.0	104.1	100.8	109.0	98.0	97.4	96.8	95.0	98.5	98.0	103.6	101.8	105.5	99.4	99.0	97.2	100.2	97.0	98.2	96.0	: : : : : : : : : : : : : : : : : : : :	98.9	95.0	105.5	106.4	106.0	103.2
Original Sample Value Units	55 UGG			_		.s 000	.s.	•			325 033	_	_			_		_	_						_	736 100	•					.7 000	pen '.
Value <	53.6 < 55 <	53.3 <	51.6 <	57.2 <	55.5 <	52.1 <	51.2 <				4910	4880	6270	6140	5910	5810	11600	11300	2590	5270	5120	4840	5360	5180	4950	4820					53.3 <	53.1 <	> 6.99
Spike Value	53	51.7	49.8	53.5	53.4	50.4	50.2				5010	5010	6480	6460	9009	5930	11200	11100	5300	2300	5170	4980	5350	5340	5040	5020					50.1	50.1	64.8
Analysis Date	20-0CT-95 20-0CT-95	05-OCT-95	05-OCT-95	10-JAN-96	10-JAN-96	03-OCT-95	03-OCT-95				05-OCT-95	05-0CI-95	05-0CT-95	05-OCT-95	20-0CT-95	20-0CI-95	03-0CT-95	03-OCT-95	20-0CT-95	20-0CT-95	05-0CT-95	05-0CT-95	10-JAN-96	10-JAN-96	03-0CT-95	03-0CT-95					05-0CT-95	05-0CT-95	05-0CT-95
Sample	27-SRP-95	19-SBP-95	19-SBP-95	27-DEC-95	27-DBC-95	11-SEP-95	11-SRP-95				19-SRD-95	19-3RP-95	21-SRP-95	21-SRP-95	27-SEP-95	27-SBP-95	13-SBP-95	13-SRP-95	27-SBP-95	27-SRP-95	19-SEP-95	19-SEP-95	27-DBC-95	27-DBC-95	11-SEP-95	11-SEP-95					19-SRP-95	19-920-95	21-SEP-95
Lab Number Lot	DV4S*216 UBYF						DV43*391 UBUR			٠	TWAS # 105 TRUP										DV48*248 UBVP	DV4S*248 UBVP	DV4S*315 UBPG	DV4S*315 UBPG							DV48*105 UBVF	TWAS#105 TRVP	DV4S*115 UBVF
IRDMIS Field Sample Number	BXAX0206	BXZW0200	BXZW0200	AXR9503X	AXR9503X	DXZW0200	DXZW0200				202010	EX570506	KX571502	KX571502	BX570319	RX570119	DX570500	DX570500	BXAX0206	BXAX0206	BXZW0200	BXZW0200	AXB9503X	AXB9503X	DXZW0200	DXZW0200	٠				RX570506	DYE 70506	EXS71502
Test	1 M 0	2 2	3 2	H H	1 2	2 2		*******	avg.	minimum maximum	ŧ	້າ ຄື	5 5	ទី បី	រ៍ ១	i	5 5	iđ	í	íð	i đ	ð	ð	ð	i g	์ ฮ์	********		minim	maximum	8	3 8	8 8
IRDMIS Method Code	J816	9151	781.	1916	1816	1316	7816					1216	3191	1816	7816	7616	181.	1516	9151	7316	JS16	1316	J316	1816	3121.	7816) ! !				7616	0370	J316
Method Description	IN SOIL	IN SOLL BY	SOLL DI	IN SOLL BI	מסלונים מי	TN SOLL BY	TN SOLL BY						IN SOIL BI	IN SOLL BY	TN SOLL BY	IN SOLL BY	IN SOLL BI	TW SOLL BY	SOLL BI	TH SOLL BY	TN SOTE BY	TW COLL BY	TN SOLL BY	THE SOLL BY	THE SOLL BY	SOLL BI	TO THE SOLIT				drot or trop are a second	IN SOLL BY	METALS IN SOIL BY ICAP

Chemical Quality Control Report Installation: Fort Devens, MA (DV) Group 4 Sites

Method Description	IRDMIS Nethod Code	Test Name	IREMIS Field Sample Number	Lab Number Lot	Sample	Analysis Date	Spike Value	Value	Original Sample Value Units	Percent Recovery	RPD
METALS IN SOIL BY ICAP	J316	8	EX571502	_		05-0CT-95	64.6	66.2 <	_	102.5	7.
IN SOIL BY	J316	8	BX570319	DV48*147 UBYP	(P 27-SBP-95	20-0CT-95	9	> 9.19		107.7	6.
METALS IN SOIL BY ICAP	3316	8	BX570319	DV45*147 UBYP	(P 27-SBP-95	20-0CT-95	59.3	63.3 <	., U3G	106.7	o.
Z	J316	8	DX570500	DV45*191 UBUP	JP 13-SBP-95	03-0CT-95	111	124		111.7	Ð,0
IN SOIL BY	3316	8	DX570500	DV4S*191 UBUF	JP 13-SBP-95	03-0CT-95	112	121		108.0	3,3
Z	3316	0	BXAX0206	DV4S*216 UBYP	(P 27-SBP-95	20-0CT-95	23	54.3 <		102.5	1.1
IN SOIL	JS16	8	BXAX0206	DV48*216 UBYP	(P 27-SBP-95	20-0CT-95	53	53.7. <		101.3	1.1
IN SOIL BY	3316	8	BXZW0200	DV45*248 UBVP	7P 19-SBP-95	05-0CT-95	51.7	53.3 <		103.1	ø.
IN SOIL BY	3316	8	BXZW0200	DV45*248 UBVP	7P 19-SBP-95	05-0CT-95	49.8	51.8 <		104.0	٥.
IN SOIL BY	J316	8	AXE9503X	DV4S*315 UBPG	PG 27-DBC-95	10-JAN-96	53.5	> 8.95	-	106.2	1.6
IN SOIL BY	3316	8	AXB9503X	DV43*315 UBPG	PG 27-DBC-95	10-JAN-96	53.4	> 8.55	DOG	104.5	1.6
IN SOIL BY	3316	8	DX ZW0200	DV4S*391 UBUP	JP 11-SRP-95	03-0CT-95	50.4	> 22.53	.7 036	110.1	1.4
IN SOIL BY	JS16	8	DX ZW0200	DV4S*391 UBUF	JP 11-SBP-95	03-0CT-95	50.2	54.5 <	.7 000	108.6	1.4

		BVG.								105.8	
		minimum								101.3	
		M IN IN AM								111.7	
METALS IN SOIL BY ICAP	JS16	8	EX570506	DV4S*105 UBVP	JP 19-SRP-95	05-0CT-95	100	103	_	103.0	0.0
IN SOIL BY	7316	8	EX570506	DV43*105 UBVF	7F 19-SBP-95	05-0CT-95	100	103	_	103.0	0.0
IN SOIL BY	J316	8	EX571502	DV4S*115 UBVP	7P 21-5BP-95	05-0CT-95	130	131	1.42 UGG	100.8	1.5
IN SOIL BY	J316	8	EX571502	DV4S*115 UBVF	7F 21-SBP-95	05-0CT-95	129	128 <	_	99.3	1.5
IN SOIL BY	3316	8	BX570319	DV4S*147 UBYP	FP 27-88P-95	20-0CT-95	120	129 <		107.5	1.5
IN SOIL BY	JS16	8	BX570319	DV4S*147 UBYP	TP 27-SBP-95	20-0CT-95	119	126 <	1.42 039	105.9	1.5
IN SOIL BY	3316	8	DX570500	DV4S*191 UBUR	JP 13-SBP-95	03-0CT-95	222	241		108.6	2.1
H	J316	8	DX570500	DV4S*191 UBUP	JP 13-SBP-95	03-0CI-95	224	238		106.3	2.1
IN SOIL BY	J316	8	BXAX0206	DV4S*216 UBYP	(P 27-SBP-95	20-0CI-95	106	115		108.5	3.5
IN SOIL BY	JS16	8	BXAX0206	DV4S*216 UBYP	TP 27-SBP-95	20-0CI-95	106	111		104.7	3.5
IN SOIL	3316	8	BXZW0200	DV4S*248 UBVP	VP 19-SBP-95	05-0CI-95	93.6	99.3		99.7	ĸ.
IN SOIL BY	3316	8	BXZW0200	DV45*248 UBVP	VP 19-SBP-95	05-0CT-95	103	103		100.0	'n.
IN SOIL BY	JS16	8	AXB9503X	DV4S*315 UBFG	PG 27-DBC-95	10-JAN-96	107	112	6.17 UGG	104.7	2.7
IN SOIL BY	J316	8	AXE9503X	DV4S*315 UBPG	PG 27-DBC-95	10-JAN-96	107	109	6.17 UGG	101.9	2.7
IN SOIL BY	JS16	8	DXZW0200	DV4S*391 UBUP	JP 11-SBP-95	03-0CT-95	101	104	3.85 UGG	103.0	1.9
IN SOIL BY	JS16	8	DXZW0200	DV4S*391 UBUF	JP 11-SBP-95	03-0CT-95	100	101	3.85 UGG	101.0	1.9
		********								1 1 1 1 1 1 1 1 1 1 1 1	
		avg.								103.6	
		minim								99.5	

Chemical Quality Control Report Installation: Fort Devens, MA (DV) Group 4 Sites

Method Description	IRDMIS Method Code	Test Name	IRDMIS Field Sample Number	Lab Number Lot	Sample t Date		Analysis Date	Spike Value	Value <	Original Sample Value Unite	Percent Recovery	RPD
		maximum									108.6	1 1 1 1 1 1
METALS IN SOIL BY ICAP	J316	రో	EX570506		VP 19-SBP-95	Ī	05-OCT-95	100	103	11.5 UGG	103.0	1.0
METALS IN SOIL BY ICAP	J316	రో	EX570506	DV43*105 UBVP	VP 19-SRP-95	_	05-OCT-95	100	102	11.5 UBG	102.0	1.0
IN SOIL BY	J316	៥	EX571502	_	•	_	05-OCT-95	130	136	_	104.6	1.5
IN SOIL BY	J316	ಕ	EX571502	_	•	_	05-OCT-95	129	133	_	103.1	1.5
IN SOIL BY	J316	ម	BX570319	_			20-0CT-95	120	133 <	_	110.8	1.4
IN SOIL BY	J316	ಕ	BX570319		N		20-0CT-95	119	130 <	_	109.2	1.4
IN SOIL BY	9180	ర	DX570500		_	_	03-OCT-95	222	247	-	111.3	6.
BY	JS16	ម	DX570500		-	_	03-OCT-95	224	247	_	110.3	6.
IN SOIL BY	JS16	ម	BXAX0206		•		20-0CT-95	106	114		107.5	6.
ΒX	J316	f	BXAX0206		~		20-0CT-95	106	113		106.6	σ,
METALS IN SOIL BY ICAP	JS16	ర	BXZW0200	DV4S*248 UBVP	VF 19-SBP-95	_	05-OCT-95	103	108		104.9	1.4
METALS IN SOIL BY ICAP	J316	ర	BXZW0200	DV4S*248 UBVP	VP 19-SBP-95	_	05-0CT-95	9.66	103	15.7 UGG	103.4	1.4
METALS IN SOIL BY ICAP	J316	ទី	AXB9503X	DV48*315 UBPG	•••	••	10-JAN-96	107	120	13.7 UGG	112.1	æ
METALS IN SOIL BY ICAP	J316	ర	AXB9503X	DV4S*315 UBFG	PG 27-DBC-95		10-JAN-96	107	119	13.7 UGG	111.2	æ
METALS IN SOIL BY ICAP	JS16	రో	DXZW0200	DV48*391 UBUF	UF 11-SBP-95	_	03-OCT-95	100	117	16.1 036	117.0	9.9
METALS IN SOIL BY ICAP	JS16	ర్	DXZW0200	DV4S*391 UBUP	UP 11-SEP-95	_	33-0CT-95	101	107	16.1 UGG	105.9	9.9

		avg									107.7	
		minim									102.0	
		maximm									117.0	
METALS IN SOIL BY ICAP	J316	8	KX570506	DV4S*105 UBVF	7F 19-SBP-95	Ī	05-0CT-95	50.1	49.3	7.49 UGG	98.4	1.2
METALS IN SOIL BY ICAP	3316	8	EX570506	DV4S*105 UBVP	7F 19-SEP-95	_	05-OCT-95	50.1	48.7	7.49 036	97.2	1.2
IN SOIL BY	JS16	8	EX571502	DV4S*115 UBVP	•••	_	05-OCT-95	64.8	6.59	_	101.7	2.5
IN SOIL BY	J316	8	EX571502	-			05-OCT-95	9.49	64.1	_	99.5	2.5
IN SOIL BY	JS16	8	BX570319		•		20-0CT-95	09	59.8	_	99.7	.7
IN SOIL BY	J316	8	BX570319		•	••	20-0CT-95	59.3	58.7	_	99.0	.7
IN SOIL BY	JS16	B	DX570500		• •		03-OCT-95	112	115		102.7	œ.
IN SOIL BY	J316	8	DX570500			_	03-OCT-95	111	113		101.8	e.
IN SOIL BY	J316	8	BXAX0206		•	•	20-OCT-95	53	57.5	6	108.5	3.0
IN SOIL BY	JS16	8	BXAX0206		• •	•	20-0CT-95	53	55.8		105.3	3.0
IN SOIL BY	J316	8	BXZW0200	DV4S*248 UBVP	~		05-OCT-95	51.7	50.7	_	98.1	1.3
IN SOIL BY	J316	8	BXZW0200			_	05-OCT-95	49.8	49.5	_	99.4	1.3
IN SOIL BY	JS16	8	AXE9503X			_	10-JAN-96	53.5	53.5	12.3 UGG	100.0	
METALS IN SOIL BY ICAP	J316	8	AXE9503X	DV48*315 UBPG	7G 27-DBC-95	-	.0-JAN-96	53.4	53.3	12.3 UGG	99.8	

Chemical Quality Control Report Installation: Fort Devens, MA (DV) Group 4 Sites

Method Description	IRDMIS Method Code	Test Name	IRDMIS Field Sample Number	-		Sample Date	Analysis Date	Spike Value	Value <	Oziginal Sample Value	5	Percent Recovery	RPD
IN SOIL BY	JS16	 B i	DXZW0200			11-88P-95	03-0CT-95	50.4		10.9	900	109.7	16.9
METALS IN SOIL BY ICAP	0216	2	DAZWOZUU	765.8840	i i	CK-39C-T	66-170-50	7.00	c . o r	10.3	3	34.6	re-7
			_								•	a 001	
												93.6	
		maximum										109.7	
METALS IN SOIL BY ICAP	J316	84	EX570506	DV4S*105 U	UBVP 1	19-SBP-95	05-0CT-95	1000	3.68	7080	000	₹.	0.0
Z	J316	PB	EX570506	DV43*105 C	UBVP 1	19-3BP-95	05-0CT-95	1000	3.68	7080	nag	7.	0.0
METALS IN SOIL BY ICAP	J316	FB	EX571502	DV43*115 C	UBVP 2	21-SBP-95	05-0CT-95	1290	648	4910	1000	50.2	3.0
METALS IN SOIL BY ICAP	J316	FB	EX571502	DV43*115 U	UBVP 2	21-SBP-95	05-0CT-95	1300	634	4910	990	48.8	3.0
METALS IN SOIL BY ICAP	3316	PB	BX570319	DV4S*147 U	UBYP 2	27-SBP-95	20-0CT-95	1200	448	4490	000	37.3	34.1
METALS IN SOIL BY ICAP	J316	FB	BX570319	DV48*147 U	UBYP 2	27-SBP-95	20-0CT-95	1190	315	4490	1000	26.5	34.1
METALS IN SOIL BY ICAP	3316	PB	DX570500	DV4S*191 U	UBU? 1	13-SRP-95	03-0CT-95	2220	3.68	18900	1000	7.	198.6
METALS IN SOIL BY ICAP	J316	FB	DX570500	DV4S*191 U	UBUP 1	13-SRP-95	03-0CT-95	2240	1090	18900	nag	48.7	198.6
METALS IN SOIL BY ICAP	J316	FB	BXAX0206	DV48*216 U	UBYP 2	27-SEP-95	20-0CT-95	1060	4900	16600	999	462.3	22.2
METALS IN SOIL BY ICAP	3180	PB	BXAX0206	DV48*216 U	UBYP 2	27-SRP-95	20-0CT-95	1060	3920	16600	199	369.8	22.2
METALS IN SOIL BY ICAP	J316	PB	BXZW0200	DV4S*248 U	UBVP 1	19-SBP-95	05-0CT-95	966	3.68	10700	199	₹.	3.4
METALS IN SOIL BY ICAP	J316	FB	BXZW0200		UBVP 1	19-SEP-95	05-0CT-95	1030	3.68	10700	gg	₹.	3.4
METALS IN SOIL BY ICAP	J316	PB	AXB9503X	DV4S*315 U	UBPG 2	27-DBC-95	10-JAN-96	1070	1520	8390	999	142.1	114.7
METALS IN SOIL BY ICAP	J316	PB	AXB9503X	DV4S*315 U	UBPG 2	27-DBC-95	10-JAN-96	1070	412	8390	999	38.5	114.7
METALS IN SOIL BY ICAP	JS16	PB	DXZW0200	DV48*391 U	UBUR 1	11-SBP-95	03-OCT-95	1000	3.68	10900	993	₹.	196.8
METALS IN SOIL BY ICAP	J316	PB	DXZW0200	DV45*391 U	UBUP 1	11-8RP-95	03-0CT-95	1010	466	10900	900	46.1	196.8
		********									•		
		avg										79.5	
		minim										4	
		maximum										462.3	
METALS IN SOIL BY ICAP	J316	×	EX570506	DV43*105 U	UBVF 1	19-SRP-95	05-OCT-95	5010	4950	909	990	98.86	1.0
METALS IN SOIL BY ICAP	JS16	×	EX570506	DV4S*105 U	UBVP 1	19-SBP-95	05-0CT-95	5010	4900	909	000	97.8	1.0
IN SOIL BY	JS16	×	EX571502	DV4S*115 U	UBVP 2	21-SBP-95	05-0CT-95	6480	6490	300	ngg	100.2	9.
IN SOIL BY	JS16	×	EX571502	DV48*115 U	UBVP 2	21-SRP-95	05-0CT-95	6460	6430	300	nge	99.5	9.
METALS IN SOIL BY ICAP	JS16	¥	BX570319	DV45*147 U	UBYP 2	27-SBP-95	20-0CT-95	0009	6430	319	nee	107.2	2.5
METALS IN SOIL BY ICAP	JS16	×	BX570319	DV4S*147 U	UBXF 2	27-SBP-95	20-0CT-95	5930	6200	319	1993	104.6	2.5
BY	J316	×	DX570500	DV4S*191 U		13-SEP-95	03-OCT-95	11100	11900	1240	nge	107.2	1.7
METALS IN SOIL BY ICAP	J316	×	DX570500	DV4S*191 U	UBUP 1	13-SRP-95	03-OCT-95	11200	11800	1240	nee	105.4	1.7
METALS IN SOIL BY ICAP	3316	×	BXAX0206	DV4S*216 U	UBYP 2	27-SEP-95	20-0CT-95	5300	5370	296	nge	101.3	

Chemical Quality Control Report Installation: Port Devens, MA (DV) Group 4 Sites

IRDMIS Field Sample Number
BXAX0206 DV4S*216 UBYP 27-SEP-95
BXZW0200 DV4S*248 UBVF
BXZW0200 DV4S*248 UBVF
AXR9503X DV4S*315 UBPG
AXE9503X DV4S*315 UBPG
DXZW0200 DV4S*391 UBUP
DXZW0200 DV4S*391 UBUF
EXS70506 DV4S*105 UBVP
EXS70506 DV4S*105 UBVP
DV48*115
DV4S*115
DV4S*147
DV4S*147
DXS70500 DV4S*191 UBUR
DX570500 DV4S*191 UBUF
BXAX0206 DV4S*216 UBYP
BXAX0206 DV4S*216 UBYP
BXZW0200 DV4S*248 UBVF
BXZW0200 DV4S*248 UBVF
AXE9503X DV4S*315 UBPG
AXE9503X DV4S*315 UBPG
DXZW0200 DV4S*391 UBUF
DXZW0200 DV4S*391 UBUF
RX570506 DV4S*105 UBVP
_
EX571502 DV4S*115 UBVF
DV4S*115

Chemical Quality Control Report Installation: Fort Devens, MA (DV) Group 4 Sites

	IRDMIS	±	IRDMIS Field	<u>.</u>	- Cuman	ana]veje	Spike		Original Sample	Percent	
Method Description	Code	Name	Number	Number Lot	:	Date	Value	Value <	Value Units	Recovery	dau
METALS IN SOIL BY ICAP	J316	N.	BX570319	DV48*147 UBYP	. 4	20-0CF-95	09	47.4	_	79.0	14.0
IN SOIL BY ICAP	3316	MN	BX570319	DV4S*147 UBYP	7 27-SBP-95	20-0CT-95	59.3	40.7	_	9.89	14.0
IN SOIL BY ICAP	J316	MN	DX570500	DV4S*191 UBUF		03-OCT-95	112	113	_	100.9	1.8
IN SOIL BY ICAP	JS16	MM	DX570500	DV4S*191 UBUP		03-0CT-95	111	110		1.66	1.8
IN SOIL BY ICAP	JS16	MN	BXAX0206	DV45*216 UBYP	? 27-SBP-95	20-0CT-95	23	253		477.4	51.1
IN SOIL BY ICAP	JS16	MN	BXAX0206	DV48*216 UBYP	7 27-SBP-95	20-0CI-95	53	150	_	283.0	51.1
IN SOIL BY ICAP	JS16	MM	BXZW0200	DV43*248 UBVP	7 19-SBP-95	05-0CI-95	8.64	2.05		4.1	3.7
IN SOIL BY ICAP	JS16	N.	BXZW0200	DV45*248 UBVP		05-0CI-95	51.7	2.05		•· •	3.7
IN SOIL BY ICAP	JS16	MN	AXB9503X	DV45*315 UBPG	3 27-DBC-95	10-JAN-96	53.4	72.8		136.3	189.1
IN SOIL BY ICAP	J316	MN	AXB9503X	DV4S*315 UBPG	3 27-DBC-95	10-JAN-96	53.5	2.05		æ. M	189.1
IN SOIL BY ICAP	J316	MN	DXZW0200	DV48*391 UBUF	7 11-SEP-95	03-OCT-95	50.4	39.5		78.4	180.2
IN SOIL BY ICAP	J316	MN	DXZW0200	DV4S*391 UBUP	? 11-SRP-95	03-OCT-95	50.2	2.05	161 039	4.1	180.2
		*******						J	•		
		avg								92.6	
		minimum							•	9.E	
		maximum								477.4	
GRAT VG TITOS NT STREET	.Te16	N.	EX570506	TV4.8#105 URVR	7 19-SRP-95	05-OCT-95	5010	5090	426 UGG	101.6	٠
TO SOLE BY TOND	7116	. g	EX570506	TV4S#105 UBVP		05-OCT-95	5010	2060	_	101.0	9.
TN SOTE BY ICAD	3316	5	EX571502			05-0CT-95	6480	6390	725 003	98.6	2.1
IN SOIL BY ICAD	3316	2	EX571502			05-OCT-95	6460	6240	725 036	96.6	2.1
IN SOIL BY ICAP	J316	Z.	BX570319		•	20-0CT-95	0009	6100	297 UGG	101.7	1.5
IN SOIL BY ICAP	JS16	2	BX570319			20-0CT-95	5930	5940	297 UGG	100.2	1.5
IN SOIL BY ICAP	JS16	NA.	DX570500	DV4S*191 UBUP	7 13-SEP-95	03-0CT-95	11100	11900	741 033	107.2	5.6
IN SOIL BY ICAP	JS16	ž	DX570500	DV4S*191 UBUR		03-0CT-95	11200	11700	_	104.5	5.6
IN SOIL BY ICAP	J316	ž	BXAX0206	DV45*216 UBYF	7 27-SRP-95	20-0CI-95	5300	5280		99.6	1.1
METALS IN SOIL BY ICAP	J316	¥.	BXAX0206	DV4S*216 UBYP	7 27-SBP-95	20-0CI-95	5300	5220		98.5	1.1
METALS IN SOIL BY ICAP	J316	æ	BXZW0200	DV45*248 UBVP	7 19-SBP-95	05-OCT-95	5170	5280		102.1	1.1
IN SOIL BY ICAP	JS16	Ą	BXZW0200	DV4S*248 UBVP	P 19-SRP-95	05-0CT-95	4980	5140	_	103.2	1.1
METALS IN SOIL BY ICAP	JS16	¥.	AXE9503X	DV4S*315 UBPG	3 27-DBC-95	10-JAN-96	5350	5430	-	101.5	7 9
IN SOIL BY ICAP	J316	Ą	AXB9503X	DV48*315 UBFG	3 27-DBC-95	10-JAN-96	5340	5270	_	98.7	2.8
METALS IN SOIL BY ICAP	3216	NA	DXZM0200	DV48*391 UBUP	7 11-SBP-95	03-0CT-95	5040	5210	-	103.4	1.7
METALS IN SOIL BY ICAP	JS16	¥.	DXZW0200	DV45*391 UBUP	P 11-SEP-95	03-0CI-95	5020	5100	259 UGG	101.6	1.7

		avg								101.2	
		minimm								9.96	
		maximum								107.2	

Chemical Quality Control Report Installation: Fort Devens, MA (DV) Group 4 Sites

	IRDMIS Field Sample Lab Number Number	r lot	Sample Date	Analysis Date	Spike Value	Value <	Original Sample Value Units	Percent Recovery
EX570506 DV4S*105	105	UBVP	19-SEP-95	05-OCT-95	50.1	54.3	_	108.4
EX570506 DV4S*105	105	UBVP	19-SEP-95	05-0CT-95	50.1	52.4	_	104.6
~	115	UBVP	21-SBP-95	05-0CT-95	64.8	69.7	_	107.6
EX571502 DV4S*115	11	_	21-SEP-95	05-0CI-95	64.6	69.2	_	107.1
•	Į.	_	27-SBP-95	20-0CT-95	9	67.2	_	112.0
BX570319 DV4S*147	÷	47 UBYP	27-SBP-95	20-0CT-95	59.3	99	-	111.3
DXS70500 DV4S*191	펀	_	13-SEP-95	03-0CI-95	111	124	_	111.7
DX570500 DV4S*191	፵	91 UBUF	13-SEP-95	03-0CI-95	112	124	_	110.7
BXAX0206 DV4S*216	2	6 UBYP	27-SBP-95	20-0CI-95	53	62.4	-	117.7
BXAX0206 DV4S*216	2	6 UBYP	27-SEP-95	20-0CI-95	S	89	•	128.3
BXZW0200 DV4S*248	7.	B UBVF	19-SEP-95	05-0CT-95	51.7	55.8	-	107.9
BXZW0200 DV4S*248	248	I UBVP	19-SRP-95	05-0CT-95	49.8	51.9		104.2
AXE9503X DV4S*315	315	UBPG	27-DBC-95	10-JAN-96	53.4	60.2	_	112.7
AXE9503X DV4S*315	315	UBFG	27-DBC-95	10-JAN-96	53.5	59	20.6 UGG	110.3
DXZW0200 DV4S*391	391	UBUP	11-SBP-95	03-0CT-95	50.4	48.8	-	96.8
DXZW0200 DV4S*391	391	UBUR	11-SRP-95	03-OCT-95	50.2	45.1	18.1 UGG	89.8
								108.8
								89.8
								128.3
X571502 DV4S*115		115 UBVP	21-SBP-95	05-0CT-95	194	197	76.2 UGG	101.5
EX571502 DV4S*115			21-SRP-95	05-0CT-95	194	187	76.2 UGG	96.4
_		_	13-SRP-95	03-0CT-95	335	351	188 033	104.8
		_	13-SRP-95	03-0CT-95	334	333	-	99.7
		_	19-SRP-95	05-0CT-95	155	157	_	101.3
		_	19-SEP-95	05-0CI-95	149	152	21.7 UGG	102.0
								1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
								101.0
								96.4
								104.8
X570506 DV4S*105	뭐	S UBVP	19-SEP-95	05-0CT-95	50.1	49.2	8.07 UGG	98.2
EXS70506 DV48*105	Ţ	OS UBVP	19-SEP-95	05-0CT-95	50.1	49.1	8.07 UGG	98.0
KX571502 DV4S*115	규	LS UBVP	21-SBP-95	05-0CT-95	64.8	63.5		98.0
EX571502 DV4S*115			21-SEP-95	05-0CT-95	64.6	62.9	11.9 UGG	97.4

Chemical Quality Control Report Installation: Fort Devens, MA (DV) Group 4 Sites

Wethod Description	IRDMIS Method Code	Test	IRDMIS Pield Sample Number	Lab Number Lot	Sample Date		Analysis Date	Spike Value	Value	V .	Original Sample Value Uni	Units R	Percent Recovery	RPD
METALS IN SOIL BY ICAP	J316	۸	BX570319	_	. ~		20-0CT-95	09	62.5	v		ש	104.2	1.4
METALS IN SOIL BY ICAP	J316	>	BX570319	DV43*147 UBYF	(F 27-SEP-95		20-0CT-95	59.3	6.09	v	3.39 UGG	ש	102.7	1.4
Z	J316	>	DX570500	DV4S*191 UBUF	JP 13-SBP-95		03-0CT-95	111	117		-	ש	105.4	ø.
METALS IN SOIL BY ICAP	J316	>	DX570500	DV4S*191 UBUP	JP 13-SBP-95		03-OCT-95	112	117		-	_O	104.5	ο.
Z	3316	^	BXAX0206	DV4S*216 UBYP	TP 27-SEP-95		20-0CT-95	53	54.3		11.8 039	Ð	102.5	ø.
METALS IN SOIL BY ICAP	J316	>	BXAX0206	DV4S*216 UBYP	TP 27-SBP-95		20-0CT-95	53	53.8			_O	101.5	ø.
N	J316	>	BXZW0200	DV4S*248 UBVP	-	9-SEP-95	05-0CT-95	51.7	51.5		12.9 UGG	_O	99.6	1.6
Z	JS16		BXZW0200	DV4S*248 UBVP	7P 19-SEP-95		05-0CT-95	49.8	48.8		12.9 000	D)	98.0	1.6
IN SOIL BY	J316	^	AX89503X	DV43*315 UBPG	3G 27-DBC-95		10-JAN-96	53.4	57.7		8.53 UGG	•	108.1	3.0
IN SOIL BY	JS16	>	AXB9503X	DV4S*315 UBPG	7G 27-DBC-95		10-JAN-96	53.5	56.1			_O	104.9	3.0
Z	J316	>	DXZW0200	DV4S*391 UBUF	JP 11-SBP-95		03-0CT-95	50.4	52.2		10.4 UGG	_O	103.6	9.0
METALS IN SOIL BY ICAP	J316	>	DXZW0200	DV4S*391 UBUR	JP 11-SBP-95	_	03-OCT-95	50.2	47.5		10.4 UCK	t)	94.6	9.0
		********										-	1 1 1 1 1 1 1 1 1	
		#wg											101.3	
		minimum									٠		94.6	
		maximm											108.1	
METALS IN SOIL BY ICAP	J316	ă	EX570506	DV4S*105 UBVP	7F 19-SBP-95		05-0CT-95	100	105		14.9 UGG	_O	105.0	0.0
IN SOIL BY	JS16	S	EX570506	DV4S*105 UBVP	7P 19-SBP-95		05-0CT-95	100	105		14.9 UGG	Ü	105.0	0.0
IN SOIL BY	JS16	ZZ.	EX571502	DV4S*115 UBVP	/P 21-SBP-95		05-0CT-95	130	144		42.9 UGG	_D	110.8	10.2
IN SOIL BY	JS16	ZZ	EX571502	DV4S*115 UBVP	7P 21-SBP-95		05-0CT-95	129	129		42.9 UGG	_O	100.0	10.2
METALS IN SOIL BY ICAP	JS16	ZZ	BX570319	DV4S*147 UBYP	TP 27-SBP-95		20-0CT-95	120	130	v	8.03 UGG	U	108.3	1.5
METALS IN SOIL BY ICAP	JS16	R	BX570319	DV4S*147 UBYP	•		20-0CT-95	119	127	v		פ	106.7	1.5
METALS IN SOIL BY ICAP	JS16	ZS.	DX570500	DV4S*191 UBUR	• •		03-0CT-95	224	243		•	D.	108.5	3.3
METALS IN SOIL BY ICAP	J316	Z.	DX570500	DV43*191 UBUF	•		03-0CT-95	222	233			r U	105.0	3.3
METALS IN SOIL BY ICAP	JS16	ZZ.	BXAX0206	DV4S*216 UBYP	•		20-0CT-95	106	126		_	U	118.9	2.4
METALS IN SOIL BY ICAP	J316	Z	BXAX0206	DV4S*216 UBYP	••	-	20-0CT-95	106	123			œ.	116.0	2.4
METALS IN SOIL BY ICAP	JS16	ZN	BXZW0200	DV4S*248 UBVP	•		05-0CT-95	103	108		_	_U	104.9	₹.
METALS IN SOIL BY ICAP	JS16	Zi.	BXZW0200	DV4S*248 UBVP			05-0CT-95	99.6	104		-	ø	104.4	₹.
METALS IN SOIL BY ICAP	JS16	S	AXB9503X	DV4S*315 UBPG	•••		10-JAN-96	107	114		24.3 UGG	D)	106.5	6.
METALS IN SOIL BY ICAP	JS16	Z	AXB9503X	DV4S*315 UBPG	•••	•	10-JAN-96	107	113		_	Ü	105.6	6.
METALS IN SOIL BY ICAP	JS16	K	DXZW0200	DV4S*391 UBUR	_	11-SBP-95 C	03-OCT-95	101	111		_	Ų	109.9	4.6
METALS IN SOIL BY ICAP	JS16	Zi	DXZW0200	DV4S*391 UBUF	JF 11-SBP-95		03-OCT-95	100	100		39.6 103	Ç)	100.0	9.4
		********										i		
		avg											107.2	
		minimum											100.0	
		maximm											118.9	

Chemical Quality Control Report Installation: Fort Devens, MA (DV) Group 4 Sites

RPD	; L			27.5	27.5	11.2	11.2	8.1	8.1	2.2	2.5	1.8	1.8					•	8.2	8.2	19.5	19.5	4.6	9.4	13.4	13.4	2.4	2.4	6.2	6.2					8.9
Percent Recovery		7.4	9.99	67.2	50.9	104.3	93.3	85.5	78.8	88.2	86.3	82.8	81.4		80.1	50.9	104.3	i	1.1/	68.3	106.0	87.2	113.0	102.9	79.3	69.3	108.3	105.7	89.7	84.3	1 1 1 1 1 1 1 1 1 1 1 1 1	90.7	68.3	113.0	68.8
ginal kample Value Units		•	2	nge	000	99	ned	99	ned	99	nag	99	000				٠	•		200	000	OGG	99	920	gga	_	DON	00G	ngo	gg					nag
Original Sample Value		70000	20000.	.00602	.00602	.00602	.00602	.00602	.00602	.00602	.00602	.00602	.00602						.00.43	.00729	.00729	.00729	.00729	.00729	.00729	.00729	.00729	.00729	.00729	.00729					.00663
' Y	!	٠,	V	v	v	٧	٧	v	٧	v	٧	٧	Ÿ						v	٧.	٧	v	٧	v	٧	v	v	٧	٧	٧					٧.
Value	6	7610.	T#TO.	.0178	.0135	.0217	.0194	.0206	.019	.0405	.0396	.0169	.0166					č	7670.	.014	.0281	.0231	.0235	.0214	.0191	.0167	.0497	.0485	.0183	.0172					.0141
Spike Value	S C C	5050	c070.	.0265	.0265	.0208	.0208	.0241	.0241	.0459	.0459	.0204	.0204						5070	. 0205	.0265	.0265	.0208	.0208	.0241	.0241	.0459	.0459	.0204	.0204					.0205
Analysis Date	10 C	10-100-01	18-0-1-95	20-0CI-95	20-0CI-95	28-0CI-95	28-OCT-95	06-NOV-95	06-NOV-95	08-OCT-95	08-OCT-95	30-SBP-95	30-SBP-95					100	56-TO-97	18-0CI-95	20-0CT-95	20-0CT-95	28-0CT-95	28-OCT-95	96-VON-90	06-NOV-95	08-OCI-95	08-OCT-95	30-SBP-95	30-SBP-95					18-OCT-95
Sample Date	9	•	13-58F-75			21-SBP-95	21-SEP-95	27-SBP-95	27-SEP-95	13-SBP-95	13-SRP-95	11-SRP-95	11-SRP-95					4	19-38E-75	19-SEP-95	21-SBP-95	21-SRP-95	21-SEP-95	21-SBP-95	27-SRP-95	27-SEP-95	13-SEP-95	13-SEP-95	11-SEP-95	11-SRP-95					19-SRP-95
E						QV-VD	GP-VD	OKAN	OXAO	UFRD	UFRD	UPOD	QE/O									-		QF/D	9	Q	UFRD	UPRD	UPOD	UPQD					UPTO
Lab Number	747.641.05	FOT STAG	COT-STAC	DV4S*115	DV4S*115	DV4S*121	DV4S*121	DV4S*147	DV45*147	DV4S*191	DV48*191	DV4S*391	DV4S*391					10 110	COTECTAC	DV48*105	_	_	_	DV4S*121	DV4S*147	DV4S*147	DV4S*191	DV4S*191	DV4S*391	DV4S*391					DV4S*105 UPID
IRDMIS Field Sample Number	202000	DOCO/CVG	enco/cva	EX571502	EX571502	EX571600	EX571600	BX570319	BX570319	DX570500	DX570500	DXZW0200	DXZW0200	*				000000000000000000000000000000000000000	AVS/0506	EX570506	EX571502	EX571502	EX571600	EX571600	BX570319	BX570319	DX570500	DX570500	DXZW0200	DXZW0200	*				EX570506
Test	D LUNDA	A TOTAL	ABNOLE	ARNSLP	ABNSLP	AENSLP	ARNSLP	ABNSLP	AENSLF	ARNSLP	AENSLE	ARNSLP	AENSLP	****	avg	minim	maximum		ALAUKIN	ALDRN	ALDRIN	ALDRN	****	avg	minimum	maximum	BENSLP								
IRDMIS Method Code	i i	O THIE		LH10	LHIO						OTH	LH10	LH10	LH10	1.11.0	LH10	LH10	LH10	LH10	1.410	LH10	THIO					1H10								
Method Description																																			

Chemical Quality Control Report Installation: Fort Devens, MA (DV) Group 4 Sites

March Brossie Beneric Beneri	Method Description	IRDMIS Method Code	Test Name	IRDMIS Field Sample Number	Lab Number Lot	Sample Date	Analysis Date	Spike Value	Value	v	Original Sample Value U	Unite	Percent Recovery	RPD
BRNSLE EXCTISO DV44111 UPD 1.58P-95 20-CGT-95 0.0565 0.0665 UGG 0.0661 UGG 0.0661 UGG UG	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	LH10	BENSLP	EX570506	. 10		18-0CT-95	.0205	.0129	; , v	•	1 00	62.9	8.9
BRINGLE EXCTYAGO DV447131 UPUD 21-88P-95 21-0CT-95 0.0365 0.045 0.0665 U30 103.4		LH10	BENSLP	EXS71502	-	••	20-0CT-95	.0265	.048	٧	_	8	181.1	6.5
BRNSLP RK571560 DV448111 UVDO 21-5RP-95 A-CCT-95 O.2048 O.2048 O.0651 UGA O.0651 UGA		1410	BENSIA	EX571502	-		20-0CT-95	.0265	.045	v	_	20	169.8	6.5
BRNSLL RK571019 DV448147 UPCD 27-SRP-95 02-087 0.0065 UDG UDG 0.0065 UDG UDG UDG UDG UDG UDG UDG UDG UDG UDG UDG UDG		LHIO	BENSLP	EXS71600		-	28-OCT-95	.0208	.0213	v	_	9	102.4	27.2
BRNSLR RY570319 DV484147 UPXD 27-SEP-95 G-NDV-95 O.041 O.056 O.0663 U.SG O.0664 O.		LH10	BRNSLP	EX571600			28-0CT-95	.0208	.0162	v	_	8	77.9	27.2
BRNSLE B		1410	BENSLP	BX570319			06-NOV-95	.0241	.0156	v		9	64.7	3.9
BRNSLF DX570500 DV454*191 UPGD 13-68P-95 0.04679 0.0459 0.045 0.0459 0.045 0.0459		1.110	BENSLP	BX570319			06-NOV-95	.0241	.015	v		8	62.2	9.6
BRINGLE DX570500 DV4487191 UPRD 11-5RP-95 0.04504 0.0176 0.00663 UGG 100.2		1.410	BENSLP	DX570500		•	08-OCT-95	.0459	.047	v	_	8	102.4	2.2
BRINSLR DXZM0200 DV48*191 UPQD 11-58P-95 30-58P-95 .0204 .0165 < .00663 UG6 UG6		1410	BENSLP	DX570500		•	08-OCT-95	.0459	.046	v	_	8	100.2	2.5
######################################		LH10	BRNSLF	DXZW0200		• •	30-SBP-95	.0204	.0178	v	_	8	87.3	7.6
### with many maximum		1,410	BENSLP	DXZW0200		•	30-SEP-95	.0204	.0165	v	_	9	80.9	7.6
Maritimest			****									i		
Handimum			avg										96.7	
DLDRN EX570506 UV48*105 UPTD 19-SBP-95 18-OCT-95 0.0205 0.0151 < 0.0629 UGG G7.3 T. S. S. S. S. S. S. S. S. S. S. S. S. S.			minimm										62.2	
DLDRN KX570506 DV48*105 UF7D 19-SBP-95 18-OCT-95 0.2055 0.0151 0.00629 UGG 0.73.7			maximum										181.1	
DLDRN EX570506 DV48*115 UPUD 19-SRP-95 18-OCT-95 0.0265 0.0136 < 0.0629 U3G 67.3		LH10	DLDRN	EX570506		• • •	18-0CT-95	.0205	.0151	v	_	Ď	73.7	9.0
DLDRN EK571502 DV48*115 UFUD 21-58P-95 20-OCT-95 0.045 0.0155 0.0155 U3G 56.2		LH10	DLDRN	EX570506		_	18-0CI-95	.0205	.0138	v	_	8	67.3	9.0
DLDRN RX571502 DV45*115 UPVD 21-SBP-95 20-OCT-95 0.0268 0.017 0.036 0.017 0.036 0.017 0.036 0.037 0.036 0.037 0.036 0.037 0.036 0.037 0.036 0.037 0.036 0.037 0.036 0.037 0.036 0.037 0.036 0.037 0.036 0.037 0.036 0.037 0.036 0.037 0.036 0.037 0.036 0.037 0.038 0.037 0.038 0.037 0.038 0.037 0.038 0.037 0.038		LH10	DLDRN	EXS71502		•	20-0CI-95	.0265	.0195		_	9	73.6	26.7
DLDRN RX571600 DV48*121 UPVD 21-SBP-95 28-OCT-95 .0208 .0127 UGG 82.7 Togo DLDRN RX571600 DV48*121 UPVD 21-SBP-95 C8-NOV-95 .0241 .0193 < .00629 UGG 79.8		LH10	DLDRN	EX571502		•	20-0CT-95	.0265	.0149		_	9	56.2	26.7
DLDRN RX571600 DV48*121 UFVD 21-SBP-95 C8-OCT-95 C0241 C0193 C0127 UGG UGG		1410	DLDRN	EX571600			28-0CT-95	.0208	.0172		_	8	82.7	3.6
DLDRN BX570319 DV48*147 UPXD 27-SBP-95 O6-NOV-95 O6.0451 O185 O		1.110	DLDRN	EX571600		•	28-OCT-95	.0208	.0166		_	5	79.8	3.6
DLDRN BX570319 DV45*147 UPXD 27-SBP-95 06-NOV-95 .0241 .0185 .00629 UGG 76.8 76.8 112.9 UDDRN DX570500 DV45*191 UPRD 13-SBP-95 08-OCT-95 .0459 .0496 .0183 UGG 112.9 112.9 UGG		LH10	DLDRN	BX570319		-	06-NOV-95	.0241	.0193	v		9	80.1	4.2
DLDRN DK570500 DV48*191 UFRD 13-SBP-95 08-OCT-95 0.0459 0.0518 0.0183 UGG 112.9		1410	DLDRN	BX570319			96-NON-90	.0241	.0185	v		8	76.8	4.2
DLDRN DK570500 DV48*191 UFRD 13-SBP-95 08-OCT-95 0.0496 .0183 UGG 108.1		LH10	DLDRN	DX570500		•	08-0CI-95	.0459	.0518			8	112.9	4.3
DLDRN DXZMO200 DV4S*391 UPQD 11-SBP-95 30-SBP-95 .0204 .0211 < .00629 UGG 103.4		LH10	DLDRN	DX570500		**	08-0CI-95	.0459	.0496			8	108.1	4.3
DLDRN DXZM0200 DV4S*391 UPQD 11-SEP-95 30-SEP-95 .0204 .0189 < .00629 UGG 92.6		LH10	DLDRN	DXZM0200			30-SRP-95	.0204	.0211	v		8	103.4	11.0
# avy ## in incidental property of the first of the firs		1,410	DLORN	DXZW0200		•	30-SBP-95	.0204	.0189	v	_	20	92.6	11.0
#NJ Parimum			*********									;		
minimum EACTHOR COLOR COLOR COLOR COLOR COLOR COLOR COLOR CALOR			avg gvg										83.9	
maxdman 112.9 RADRN EX570506 DV48*105 UFTD 19-SBP-95 18-OCT-95 .0205 .0133 < .00657 U3G 64.9 RADRN EX571502 DV48*115 UFUD 19-SBP-95 18-OCT-95 .0265 .0126 < .00657			minim										56.2	
RADRN EX570506 DV48*105 UPTD 19-SBP-95 18-OCT-95 .0205 .0133 < .00657 UGG 64.9 RADRN EX571502 DV48*115 UPUD 19-SBP-95 18-OCT-95 .0265 .0126 < .00657			maximm										112.9	
EXADRN EXESTIGE DV48*115 UPUD 11-SBP-95 18-OCT-95 .0205 .0126 .00657 UGG 61.5 EXDRN EX571502 DV48*115 UPUD 21-SBP-95 20-OCT-95 .0265 .0265 .0267 UGG 95.5 EXDRN EX571502 DV45*115 UPUD 21-SBP-95 20-OCT-95 .0265 .0265 .0267 UGG 93.6		1710	KNDRN	EX570506			18-0CT-95	.0205	.0133	v	_	8	64.9	4.6
ENDRN EX571502 DV48*115 UPUD 21-SEP-95 20-OCT-95 .0265 .0253 < .00657 U3G 95.5 ENDRN EX571502 DV4S*115 UPUD 21-SEP-95 20-OCT-95 .0265 .0248 < .00657 U3G 93.6		LH10	KNDKN	XX570506	DV48*105 UFID		18-0CT-95	.0205	.0126	٧		8	61.5	4.
ENDRN EX571502 DV4S*115 UPUD 21-SEP-95 20-OCT-95 .0265 .0248 < .00657 U3G 93.6		LH10	KNDRN	EX571502			20-0CT-95	.0265	.0253	v	_	8	95.5	2.0
		IH10	RNDRN	EX571502			20-0CT-95	.0265	.0248	v		8	93.6	2.0

Chemical Quality Control Report Installation: Fort Devens, MA (DV) Group 4 Sites

Test Sample Lab Name Number Number RNDRN EX571600 DV48*121 SNDRN EX571600 DV48*121 SNDRN EX571600 DV48*121				Analysis Date 28-OCT-95 28-OCT-95	Spike Value .0208	Value .0206	, , , , , , , , , , , , , , , , , , ,	면 역 및 !	; ;	Percent Recovery 99.0	RPD 28.3
	BX570319 BX570319 DX570500 DX570500 DXZW0200	19 DV4S*147 UFXD 00 DV4S*191 UFXD 00 DV4S*191 UFRD 00 DV4S*391 UFRD 00 DV4S*391 UFQD 00 DV4S*391 UFQD	27-SRP-95 0 27-SRP-95 0 13-SRP-95 0 13-SRP-95 0 11-SRP-95	06-NOV-95 06-NOV-95 08-OCT-95 30-SRP-95 30-SRP-95	.0241 .0241 .0459 .0459	.0215 .0203 .0335 .0318 .0172		.00657 .00657 .00657 .00657 .00657	950 950 950 950 950	89.2 84.2 73.0 69.3 84.3	
שוש		16 DV4S*105 UPTD	,,,	18-0CT-95	. 0205	. 0169	v	1 81900.		80.9 61.5 99.0	
EXS7050 EX57150 EX57150 EX57160 EX57160 EX57031		DV4S*115 DV4S*115 DV4S*121 DV4S*121 DV4S*121 DV4S*121		18-0CT-95 20-0CT-95 20-0CT-95 28-0CT-95 28-0CT-95	.0205 .0265 .0265 .0208 .0208	.0157 .0227 .0171 .0217 .0195	· • • • • • • • •		950 950 950 950	76.6 85.7 64.5 104.3 93.8	28.1 28.1 10.7 10.7
HPCL DX570319 HPCL DX570500 HPCL DX570500 HPCL DXZW0200 HPCL DXZW0200 **********************************		DV4S*147 UFXD DV4S*191 UFRD DV4S*191 UFQD DV4S*391 UFQD	27-58P-95 13-58P-95 11-58P-95 11-58P-95 11-58P-95	06-NOV-95 08-OCT-95 08-OCT-95 30-SBP-95 30-SBP-95	. 0241 . 0459 . 0204 . 0204	.0167 .0487 .0468 .0175	v v v v	.00618 U .00618 U .00618 U .00618 U	120 020 020 020	69.3 106.1 102.0 85.8 81.4 85.9 64.5	4.4 4 R R
ISODR EX570506 ISODR EX570506 ISODR EX571502 ISODR EX571502 ISODR EX571502 ISODR EX571600 ISODR EX571600 ISODR EX571600		DV4S*105 UFTD DV4S*115 UFUD DV4S*115 UFUD DV4S*115 UFUD DV4S*121 UFVD DV4S*121 UFVD DV4S*121 UFVD DV4S*121 UFVD	19-SRP-95 19-SRP-95 21-SRP-95 21-SRP-95 21-SRP-95 21-SRP-95 21-SRP-95	18-0CT-95 18-0CT-95 20-0CT-95 20-0CT-95 28-0CT-95 28-0CT-95	.0307 .0398 .0398 .0398 .0312	. 0243 . 0221 . 0364 . 0302 . 0352 . 0343		.00461 U .00461 U .00461 U .00461 U .00461 U	950 950 950 960 960 960	79.2 72.0 91.5 75.9 112.8 109.9	2 2 2 3 3 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5

Chemical Quality Control Report Installation: Fort Devens, MA (DV) Group 4 Sites

IRDMIS Method Code	d Test Name	IRDMIS Field Sample Number	Lab Number Lot	Sample Date	Analysis Date	Spike Value	Value	v	Original Sample Value Unite	Percent Recovery	RPD
ISODR	1	BX570319	DV48*147 UPXD	27-SBP-95	06-NOV-95	.0361	.0267		.00461 UGG	74.0	5.8
	=	DX570500			08-0CT-95	.0688	.0675	v	.00461 UGG	98.1	5.2
	2	DX570500			08-0CT-95	. 0688	.0641	v	.00461 UGG	93.2	5.2
	2	DXZW0200			30-SRP-95	.0305	.0265	v		86.9	4.
ISODR DX		XZW0200	DV48*391 UPQD	11-SEP-95	30-SEP-95	.0305	.0264	v	.00461 UBG	9.98	₹.
avg 										88,2	
maximum										72.0 112.8	
	EXS	EX570506	DV4S*105 UPID	19-SBP-95	18-0CT-95	. 0205	.0122	v	DEU 86300.	59.5	11.3
LIN RX5	RXS	KX570506	DV4S*105 UPID	19-SBP-95	18-0CT-95	.0205	.0109	v	.00638 UGG	53.2	11.3
-	EX S	EX571502	DV4S*115 UPUD	21-SBP-95	20-0CT-95	.0265	.0188	v	_	70.9	20.00
_	EXX	EXS71502	DV4S*115 UPUD	21-SBP-95	20-0CT-95	.0265	.0178	v	_	67.2	10
	EXS7	EX571600	DV4S*121 UFVD	21-SBP-95	28-0CT-95	.0208	.0195	v	_	93.8	9.7
	EXS7	EX571600	DV48*121 UFVD	21-SBP-95	28-0CT-95	.0208	.0177	v	.00638 UGG	85.1	9.7
LIN BX57	BX57	BX570319	DV43*147 UPXD	27-SBP-95	06-NOV-95	.0241	.0162	v	.00638 UGG	67.2	15.3
	BX57	0319			96-NON-90	.0241	.0139	v	.00638 UGG	57.7	15.3
	DX57	DX570500			08-0CT-95	.0459	.0423	v	.00638 UGG	92.2	8,9
	DX57	DX570500		13-SRP-95	08-0CT-95	.0459	.0387	v		84.3	8.9
_	DXZW	DXZW0200		11-3BP-95	30-SBP-95	.0204	.0169	v	.00638 UGG	82.8	7.4
LIN DXZW0200	_	0200	DV4S*391 UPQD	11-SBP-95	30-SBP-95	.0204	.0157	v	.00638 UGG	77.0	7.4
*******	_										
avg										74.2	
minimum										53.2	
maximum										93.8	
MEXCLR EX570506	EX570	905	DV4S*105 UPID	19-SBP-95	18-0CT-95	.205	.121	v	.0711 UGG	59.0	3.4
	EX57	9050	DV4S*105 UPID	19-SBP-95	18-0CT-95	.205	.117	v	.0711 UGG	57.1	3.4
MEXCLR EX571502	EX571	502	DV4S*115 UPUD	21-SBP-95	20-0CI-95	.265	.102	v	.0711 UGG	38.5	13.6
MEXCLR EXS71502	EX57.	1502	DV48*115 UPUD	21-SBP-95	20-0CT-95	.265	.089	v	.0711 UGG	33.6	13.6
MEXCLR EX571600	EX57	1600	DV4S*121 UFVD	21-SRP-95	28-0CT-95	.208	.197	v	.0711 UGG	94.7	7.9
MEXCLR EX571600	EX57.	1600	DV4S*121 UFVD	21-SBP-95	28-0CT-95	.208	.182	v	.0711 UGG	87.5	7.9
MEXCLR BX57	BXS	BX570319	DV4S*147 UPXD	27-SBP-95	96-VON-90	.241	.226	v	-	93.8	4
_	BXS	BX570319	DV48*147 UPXD	27-SRP-95	06-NOV-95	.241	.225	v		93.4	₹.
_	DX57	DX570500		13-SBP-95	08-0CT-95	.459	.466	v	Ξ.	101.5	1.1
MEXCLR DX57	DX57	DX570500	DV4S*191 UFRD	13-SRP-95	08-0CI-95	.459	.461	v	.0711 036	100.4	1.1

Chemical Quality Control Report Installation: Fort Devens, MA (DV) Group 4 Sites

Method Description	IRDMIS Method Code	Test Name	IRDMIS Field Sample Number	Lab Number Lot	Sample Date	Analysis Date	Spike Value	Value <	Original Sample Value Units	Percent Recovery	RPD
·	LH10 LH10	MEXCLR MEXCLR	DXZW0200 DXZW0200	DV4S*391 UPQD DV4S*391 UPQD	D 11-SRP-95 D 11-SRP-95	30-58P-95	.203	.176 < .154 <	.0711 UGG	86.7	13.3
		avg minimum maximum					·			76.8 33.6 101.5	
	LH10 LH10	PPDDT PPDDT	EX570506 EX570506	DV4S*105 UFTD DV4S*105 UFTD	D 19-SEP-95 D 19-SEP-95	18-0CT-95 18-0CT-95	. 0205	. 0112 . 0107 	.00707 UGG	4.52	4.4.
	EH10	PPDDT	EX571502 EX571600			20-0CI-95 28-0CI-95	. 0265	. 024 ×		153.4	15.4
	1410 1410 1410	PPDDT PPDDT	EX571500 BX570319 BX570319	DV45*121 UFVD DV45*147 UFXD DV45*147 UFXD	21-SKP-95 0 27-SKP-95 0 27-SKP-95	28-0CI-95 06-NOV-95 06-NOV-95	.0208	.0299 < .0216 < .0211 <	.00707 UGG .00707 UGG	143.8 89.6 87.6	79 79 79 79 79 79
	LH10 LH10 LH10 LH10	PPDDT PPDDT PPDDT PPDDT PPDDT **********	DX570500 DX570500 DXZW0200 DXZW0200	DV4S*191 UPRD DV4S*191 UPRD DV4S*391 UPQD DV4S*391 UPQD	13-SRP-95 13-SRP-95 11-SRP-95 11-SRP-95	08-0CT-95 08-0CT-95 30-SRP-95 30-SRP-95	.0459 .0459 .0204	. 014 . 014 . 034 . 023		30.5 30.5 166.7 112.7	38.6
	·	avg minimum maximum								93.1 30.5 166.7	
	1.H16 1.H16 1.H16	PCB016 PCB016 PCB016	KX570506 KX570506 KX571502	DV4S*105 NGYE DV4S*105 NGYE DV4S*115 NGZE	3 19-SBP-95 3 19-SBP-95 3 21-SBP-95	10-0CT-95 10-0CT-95 21-0CT-95	.273 .273	.205 < .154 < .315 <	.0666 U3G .0666 U3G	75.1 56.4 89.0	28.4
	1.H16 1.H16 1.H16	PCB016 PCB016 : PCB016	EX571502 EX572500 EX572500			21-0CT-95 03-NOV-95 03-NOV-95	.354 .276 .276	.29 <. .197 <		81.9 71.4 69.2	8 H H
:	1416 1416 1416 1416 1416 1416	PCB016 PCB016 PCB016 PCB016 PCB016 PCB016	BX570319 BX570319 DX570500 DX570500 DXZW0200	DV45*147 NGCP DV45*141 NGCP DV45*191 NGWB DV45*191 NGWB DV45*391 NGVB	27-SRP-95 27-SRP-95 13-SRP-95 13-SRP-95 11-SRP-95 11-SRP-95	02-NOV-95 02-NOV-95 06-0CT-95 06-0CT-95 03-0CT-95	.321 .321 .612 .612 .271	. 292 . 279 . 422 . 354 227 	DEU 9990. DEU 9990. DEU 9990. DEU 9990.	91.0 86.9 69.0 57.8 81.2	4.6 17.5 17.5 3.1

Chemical Quality Control Report Installation: Fort Devens, MA (DV) Group 4 Sites

Method Description	IRDMIS Method Code	Test Name	IRDMIS Field Sample Number	Lab Number L	s Lot D	Sample Date	Analysis Date	Spike Value	Value		Original Sample Value Units		Percent Recovery	RPO
		*****		! ! ! ! ! ! !		! ! ! ! !	: t					! ! !		
		avg											76.1	
		minimum											56.4	
		maximum											91.0	
	1.116	PCB260	EXS70506	DV48*105 N	NGYR 1	19-SBP-95	10-0CT-95	.273	.316	v	_	993	115.8	41.7
	LH16	PCB260	EX570506		NGYE 1	19-SRP-95	10-0CT-95	.273	.207	v	_	000	75.8	41.7
	1416	PCB260	EX571502	DV45*115 N		21-SBP-95	21-0CT-95	.354	.		_	993	226.0	0.0
	1416	PCB260	EX571502			21-SEP-95	21-OCT-95	.354	∞.			993	226.0	0.0
	LH16	PCB260	EX572500			22-SBP-95	03-NOV-95	.276	.208	v		99	75.4	8.0
	LH16	PCB260	EX572500			22-SBP-95	03-NOV-95	.276	.192	v		693	9.69	o. 8
	1416	PCB260	BX570319			27-SBP-95	02-NOV-95	.321	.373	v		990	116.2	22.0
	LH16	PCB260	BX570319			27-SRP-95	02-NOV-95	.321	.299	v		000	93.1	22.0
	LH16	PCB260	DX570500			13-SBP-95	06-0CT-95	. 612	.625			nae	102.1	8.05
	LH16	PCB260	DX570500			13-SBP-95	06-0CT-95	.612	.372			000	80.8	50.8
	LH16	PCB260	DX ZW0200		•	11-SRP-95	03-0CI-95	.271	.276	v		DEG	101.8	₹.
	LH16	PCB260	DXZW0200	DV4S*391 N	NGVB 1	11-SRP-95	03-OCT-95	.271	.275	v	.0804 U	993	101.5	* :
		**********										1		
		gv#											113.7	
		minimu											60.8	
		maximum											226.0	
IN WATER BY	SB01	HG	MX5701X1	DV4P*167 Q	•	30-0CT-95	24-NOV-95	•	3.82	v	.243 U	OGE	95.5	1.1
IN WATER BY	SB01	HG	MX5701X1		٠.	30-0CT-95	24-NOV-95	*	3.78	v	.243 U	JGL	94.5	1.1
IN WATER BY	SB01	HG	MX5705X1		_	02-NOV-95	29-NOV-95	4	3.93	v	_	OGE	98.3	4.7
IN WATER BY	SB01	HG	MX5705X1		_	02-NOV-95	29-NOV-95	7	3.75	v	_	UGE	93.8	4.7
IN WATER BY	SB01	HG	WX5705XX		• •	13-SBP-95	06-0CT-95	*	3.61	v	_	NGI.	90.3	1.4
IN WATER BY	SB01	HG	WX5705XX			13-SRP-95	06-0CT-95	•	3.56	v	_	OGE	89.0	1.4
IN WATER BY	SB01	HG	MX5701X1			30-0CT-95	24-NOV-95	•	2.91	v		ugir	72.8	2.8
IN WATER BY	SB01	HG	MX5701X1		• •	30-OCT-95	24-NOV-95	4	2.83	v	-	CCL	70.8	2.8
IN WATER BY	SB01	ĦĠ	MX5705X1		_	02-NOV-95	29-NOV-95	4	3.93	v		UGL	98.3	1.3
IN WATER BY	SB01	HG	MX5705X1		_	02-NOV-95	29-NOV-95	•	3.88	v		ngr	97.0	1.3
IN WATER BY	SB01	HG	WX5705XX			13-SRP-95	06-OCT-95	4	3.51	v		ner	87.8	9.9
IN WATER BY	SB01	HG	WX5705XX		• •	13-SBP-95	06-0CT-95	₩	3.18	v		ner ner	79.5	9.9
IN WATER BY	SB01	HG	MX ZW1 0X3		_	02-NOV-95	28-NOV-95	4	4.25	v		CCL	106.3	14.1
HG IN WATER BY CVAA	SB01	HG	MXZW10X3	DV4W*271 Q	2 9	02-NOV-95	28-NOV-95	•	3.69	v	.243 U	Jer	92.3	14.1

Chemical Quality Control Report Installation: Fort Devens, MA (DV) Group 4 Siles

Method Description	IRDMIS Method Code	Test Name	IRLWIS Pield Sample Number	Lab Number Lot	Sample Date	Analysis Date	Spike Value	Value	Original Sample Value Unite	Percent Recovery	RPD
	: : : : : : : :	*********	; ; ; ; ; ;							1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
		avg								90.4	
		minim								70.8	
	•	maximum								106.3	
IL IN WAITER BY GRAA	8008	ī	MX5701X1	DV4P*167 UCMB	3 30-0CT-95	27-NOV-95	01	11.7 <	6.99 UGL	117.0	11.8
WATER BY	SD09	Ę	MX5701X1	DV4P*167 UCMB	30-0CI-95	27-NOV-95	10	10.4	6.99 UGL	104.0	11.8
WATER	8D09	1	MX5703X1	DV4P*171 UCNE	3 02-NOV-95	01-DEC-95	8	11.8 <	6.99 UGL	118.0	1.7
IN WATER BY	SD09	11	MX5703X1	DV4F*171 UCNE	3 02-NOV-95	01-DEC-95	10	12 <	750 66.9	120.0	1.7
IN WATER	8D09	11	WX5705XX	DV4P*204 UCHE	3 13-SEP-95	09-0CT-95	01	9.4	_	94.0	19.9
IL IN WAITER BY GFAA	SD09	Ħ	WX5705XX	DV4P*204 UCHE	3 13-SEP-95	09-0CI-95	10	7.7 <	-	77.0	19.9
IN WATER	SD09	11	MXAX02X1	DV4F*233 UCMB	31-0CT-95	27-NOV-95	01	10.6 <		106.0	3.7
IN WATER BY	SD09	Ħ	MXAX02X1	DV4F*233 UCMB	31-0CT-95	27-NOV-95	9	11		110.0	3.7
IN WATER BY	SD09	11	MX ZW1 0X3	DV4F*271 UCPE	3 02-NOV-95	30-NOV-95	9	10.2 <		102.0	3.0
IN WATER BY	SD09	11	MXZW10X3	DV4F*271 UCPE	\$ 02-NOV-95	30-NOV-95	10	٥.6		0.66	3.0
IN WATER BY	8008	11	MX5701X1	DV4W*167 UCMB	30-0CT-95	27-NOV-95	10	11.6 <		116.0	0.0
IN WATER BY	SD09	1	MX5701X1	DV4W*167 UCME	30-0CT-95	27-NOV-95	10	11.6 <		116.0	0.0
IN WATER BY	SD09	Ħ	MX5703X1	DV4W*171 UCNE	3 02-NOV-95	01-DBC-95	01	12.3 <		123.0	3.3
IN WATER BY	SD09	11	MX5703X1	DV4W*171 UCNE	\$ 02-NOV-95	01-DBC-95	97	11.9 <		119.0	3.3
Ä	SD09	1	WX5705XX	DV4W*204 UCHE	3 13-SEP-95	09-0CT-95	9	9.1		91.0	2.2
Z	SD09	11	WX5705XX	DV4W*204 UCHB	13-SEP-95	09-0CI-95	10	8.9		0.68	7.7
Z	SD09	Ħ	MXAX02X1	DV4W*233 UCMB	31-0CT-95	27-NOV-95	9	10.6 <		106.0	3.7
	SD09	11	MXAX02X1	DV4W*233 UCMB	31-0CT-95	27-NOV-95	2	11	_	110.0	3.7
TL IN MATER BY GPAA	SD09	Ħ	MXZW10X3	DV4W*271 UCPB	8 02-NOV-95	30-NOV-95	2	10.1	_	101.0	7.2
TL IN WATER BY GFAA	8D09	Ħ	MXZW10X3	DV4W*271 UCPB	3 02-NOV-95	30-NOV-95	10	9.4	6.99 UGL	94.0	7.2

	•	avg	-							105.6	
		minimu								77.0	
		maximum								123.0	
PR IN WATER BY GEAA	SD20	82	MX5701X1	DV4F*167 WCVP	30-0CI-95	28-NOV-95	40	34.8	1.41 USL	87.0	0.0
IN WATER BY	SD20	PB	MX5701X1	DV4F*167 WCVP	30-0CT-95	28-NOV-95	9	34.8	1.41 UGL	87.0	0.0
IN WATER	SD20	58	MX5703X1	DV4P*171 WCWP	02-NOV-95	01-DBC-95	40	38.6		96.5	7.6
IN WATER	SD20	84	MX5703X1	DV4F*171 WCWF	7 02-NOV-95	01-DEC-95	40	37.6	-	94.0	5.6
WAITER BY	SD20	PB	WX5705XX	DV4F*204 WCPP	13-SEP-95	09-0CT-95	40	39.3 <		98.3	3.1

Chemical Quality Control Report Installation: Fort Devens, MA (DV) Group 4 Sites

ent ery RPD	95.3			••				106.8 1.7	105.0 1.7	97.8 .5	97.3	92.8 1.9	91.0 1.9	90.5 1.7	89.0 1.7	:	94.0	85,3	106.8	97.3 4.0	101.3 4.0	•	94.7 6.5	100.5 6.9	93.9 6.9	100.3 1.6	98.7 1.6	9. 9.68	89.1 .6	100.8 1.1	99.7 1.1		95.7 .6	97.9 1.1
Percent Recovery	6	æ	•	10	6	6	6 5	10	2	•	6	6	6	Ō	60	1	Ó	60	10	•	10	10	9	01	6	10	0	Ö	60	Õ	Ó	ō	Ó	Ō
	1.26 UGL	-	_	_	1.26 UGL	8.46 UGL	_	•	1.26 UGL	3.36 UGL	3.36 UGL					3.02 UGL	3.02 UGL	3.02 UGL	3.02 UGL	3.02 UGL	3.02 UGL	3.02 UGL	3.02 UGL	3.02 UGL	3.02 UGL	3.02 UGL	3.02 UGL	3.02 UGL	3.02 UGL	3.02 UGL				
Value <	38.1 <	34.5 <	34.1 <	40.1 <	38.9 <	37.3	35.8	42.7 <	42 ^	39.1 <	38.9 <	37.1 <	36.4 <	36.2	35.6					36.5 <	38	37.9 <	35.5 <	37.7 <	35.2 <	37.6 <	37 <	33.6 <	33.4 <	37.8 <	37.4 <	36.1 <	35.9 <	36.7 <
Spike Value	40	9	9	0#	07	9	9	•	9	40	•	•	•	•	9					37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5
Analysis Date	09-0CT-95	28-NOV-95	28-NOV-95	30-NOV-95	30-NOV-95	28-NOV-95	28-NOV-95	01-DBC-95	01-DBC-95	09-0CT-95	09-0CT-95	28-NOV-95	28-NOV-95	30-NOV-95	30-NOV-95					28-NOV-95	28-NOV-95	30-NOV-95	30-NOV-95	10-0CT-95	10-0CT-95	28-NOV-95	28-NOV-95	30-NOV-95	30-NOV-95	27-NOV-95	27-NOV-95	30-NOV-95	30-NOV-95	09-0CT-95
Sample Date	13-SBP-95	31-0CT-95	•	02-NOV-95	02-NOV-95	30-0CT-95	30-OCT-95	02-NOV-95	02-NOV-95	13-SRP-95	13-SEP-95	31-0CT-95	31-0CT-95	02-NOV-95	02-NOV-95					30-0CI-95	30-0CT-95	02-NOV-95	02-NOV-95	13-SRP-95	13-SBP-95	31-0CT-95	31-0CT-95	02-NOV-95	02-NOV-95	30-0CT-95	30-0CT-95	02-NOV-95	02-NOV-95	13-SEP-95
Lab Number Lot	DV4P*204 WCPP	DV4P*233 WCVP	DV4P*233 WCVP	DV4P*271 WCYP	DV4P*271 WCYP	DV4W*167 WCVP	DV4W*167 WCVP	DV4W*171 WCWP	DV4W*171 WCWP	DV4W*204 WCPF	DV4W*204 WCPF	DV4W*233 MCVP	DV4W*233 WCVP	DV4W*271 WCYP	DV4W*271 WCYF					DV4P*167 XCNF	DV4P*167 XCNP	DV4F*171 XCOF	DV4F*171 XCOP	DV4P*204 XCIP	DV4F*204 XCIF	DV4F+233 XCNF	DV4P*233 XCNP	DV4P*271 XCQP	DV4P*271 XCQP	DV4W*167 XCNF	DV4W*167 XCNF	DV4W*171 XCOF	DV4W*171 XCOF	DV4W*204 XCIP
IREMIS Field Sample Number	WXS705XX	MXAX02X1	MXAX02X1	MX ZW1 0X3	MXZW10X3	MX5701X1	MX5701X1	MX5703X1	MX5703X1	WX5705XX	WX5705XX	MXAX02X1	MXAX02X1	MXZW10X3	MX ZW10X3	***				MX5701X1	MX5701X1	MX5703X1	MX5703X1	WX5705XX	WXS705XX	MXAX02X1	MXAX02X1	MXZW10X3	MXZW10X3	MX5701X1	MX5701X1	MX5703X1	MX5703X1	WX5705XX
Test	PB	PB	BB	23	PB	PB	88	88	PB	PB	PB	PB	PB	PB	PB	*******	gv#	minimum	maximum	SR	SB	SB	SB	SB	SR	SB								
IRDMIS Method Code	SD20	SD20	SD20	SD20	SD20	SD20	SD20	SD20	8020	SD20	8020	SD20	SD20	SD20	SD20					SD21	SD21	SD21	SD21	SD21	SD21	SD21	SD21	SD21	SD21	SD21	SD21	SD21	SD21	SD21
Method Description	PB IN WATER BY GPAA	PB IN WAIER BY GRAA	WATER BY	PB IN WATER BY GPAA	PB IN WAITER BY GPAA	PB IN WAITER BY GPAA	PB IN WATER BY GFAA	PB IN WATER BY GPAA	PB IN WATER BY GPAA	PB IN WATER BY GPAA	PB IN WATER BY GPAA	PB IN WATER BY GPAA	PB IN WAITER BY GFAA	PB IN WATER BY GFAA	PB IN WAITER BY GPAA					SE IN WATER BY GPAA	SE IN WATER BY GFAA	SE IN WATER BY GPAA	SE IN WATER BY GPAA	IN WATER	BY	SB IN WATER BY GPAA	SE IN WATER BY GPAA	SB IN WATER BY GFAA	SR IN WATER BY GPAA	SE IN WATER BY GPAA	SB IN WATER BY GPAA	SR IN WATER BY GPAA	SE IN WATER BY GFAA	SH IN NATER BY GPAA

Chemical Quality Control Report Installation: Fort Devens, MA (DV) Group 4 Sites

Method Description	IRDMIS Method Code	Test Name	IRDMIS Field Sample Number		Sample Date	Analysis Date	Spike Value	Value <	Original Sample Value Units	Percent Recovery	RPD
SE IN WATER BY GPAA	SD21	. SB	MXAX02X1			27-NOV-95	37.5	37.5 <	. –	100.0	1.1
IN WATER BY	SD21	SB	MXAX02X1			27-NOV-95	37.5	37.1 <		98.9	1.1
SE IN WATER BY GPAA	SD21	SB	MXZW10X3	DV4W*271 XCQP		30-NOV-95	37.5	34.8 <		92.8	4.7
SE IN WATER BY GFAA	SD21	SR	MXZW10X3	DV4W*271 XCQP	02-NOV-95	30-NOV-95	37.5	33.2 <	3.02 UGL	88.5	4.7

		gvø								96.7	
		minimum								88.5	
		maximum								101.3	
AS IN WATER BY GPAA	SD22	AS.	MX5701X1	DV4F*167 YCRF	30-0CT-95	29-NOV-95	37.5	39.4 <	2.54 UGL	105.1	4.4
AS IN WATER BY GRAA	SD22	SA.	MX5701X1	DV4F*167 YCRF	30-0CT-95	29-NOV-95	37.5	37.7 <		100.5	4.4
AS IN WAITER BY GPAA	SD22	AS	MX5703X1	DV4F*171 YCSF	02-NOV-95	30-NOV-95	37.5	46	_	122.7	6.7
AS IN WATER BY GRAA	SD22	AS	MX5703X1	DV4F*171 YCSF	_	30-NOV-95	37.5	43	•	114.7	6.7
AS IN WATER BY GPAA	SD22	AS	WXS705XX	DV4P*204 YCMF	13-SEP-95	09-0CI-95	37.5	37.2	_	99.5	2.7
AS IN WATER BY GFAA	SD22	AS	WX5705XX	DV4F*204 YCMP	•	09-OCT-95	37.5	36.2	_	96.5	2.7
AS IN WATER BY GPAA	SD22	AS	MXAX02X1	-	• •	30-NOV-95	37.5	41.8	_	111.5	2.9
AS IN WATER BY GPAA	SD22	AS	MXAX02X1	-	• •	30-NOV-95	37.5	40.6	_	108.3	2.9
AS IN WATER BY GFAA	SD22	54	MXZW10X3	-	_	30-NOV-95	37.5	48		128.0	4.3
AS IN WAITER BY GFAA	SD22	AS	MXZW10X3			30-NOV-95	37.5	4 6		122.7	4 .3
BY	SD22	S.	MX5701X1		• •	29-NOV-95	37.5	40.2	_	107.2	7.8
AS IN WAITER BY GFAA	SD22	A.S	MX5701X1	-	• •	29-NOV-95	37.5	39.1	•	104.3	7.8
AS IN WATER BY GFAA	SD22	AS	MX5703X1		_	30-NOV-95	37.5	45	-	120.0	0.0
AS IN WATER BY GFAA	SD22	AS	MX5703X1	DV4W*171 YCSP	_	30-NOV-95	37.5	45		120.0	0.0
AS IN WATER BY GFAA	SD22	AS	WX5705XX	DV4W*204 YCMP	13-SEP-95	09-0CT-95	37.5	36.7	9.17 UGE	97.9	3.6
AS IN WATER BY GRAA	SD22	AS.	WX5705XX	DV4W*204 YCMP	٠.	09-0CT-95	37.5	35.4	-	94.4	3.6
AS IN WAITER BY GPAA	SD22	SK	MXAX02X1	DV4W*233 YCRP	31-0CI-95	30-NOV-95	37.5	39.1	_	104.3	'n
AS IN WATER BY GFAA	SD22	AS	MXAX02X1	DV4W*233 YCRP	31-0CT-95	30-NOV-95	37.5	38.9	_	103.7	ĸ.
AS IN WAITER BY GFAA	SD22	AS	MXZW10X3	DV4W*271 YCUP	02-NOV-95	30-NOV-95	37.5	45	180 UGE	120.0	11.8
AS IN WATER BY GFAA	SD22	AS	MXZW10X3	DV4W*271 YCUP	02-NOV-95	30-NOV-95	37.5	9	180 UGL	. 106.7	11.8

		avg							-	109.4	
•		minimm								94.4	
		maximum								128.0	
SB IN WATER BY GPAA	SD28	SB	MX5701X1	DV4F*167 NPWD 30-OCT-95	30-0CT-95	29-NOV-95	80	77.4 <	3.03 UGL	96.8	ø.
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Chemical Quality Control Report Installation: Fort Devens, MA (DV) Group 4 Sites

IRDMIS Method Test
Number
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MAAAUZAI DV4F*Z33
MANAGAT DVEF-233
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MX5703X1 DV4W*171
MX5703X1 DV4W*171
WX5705XX DV4W*204
NX5705XX DV4W*204
MXAX02X1 DV4W*233
MXAX02X1 DV4W*233
MXZW10X3 DV4W*271
MXZW10X3 DV4W*271

minimum
maximum
MX5701X1 DV4F*167
MXS701X1 DV4P*167
. WX5705XX DV4F*204
WX5705XX DV4P*204
MXAX02X1 DV4F*233
MXAX02X1 DV4F*233
MXZW10X3 DV4F*271
MXZW10X3 DV4F*271
MXAXOBB1 DV4F*451
MXAX08B1 DV4F*451
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Chemical Quality Control Report Installation: Fort Devens, NA (DV) Group 4 Sites

RPD	5.3	5.3	₹.	₹.	0.0	0.0	4.8	4 .8					3.0	3.0	1.5	1.5	4.5	1.5	ιί	'n.	1.9	1.9	2.8	7.8	'n	ĸ.	2.1	2.1	2.0	2.0	2.3	2.3				
Percent Recovery	100.8	92.6	99.0	98'6	97.4	97.4	97.2	102.0	1111111111	8.8	91.8	108.2	102.0	99.0	99.5	98.0	100.0	98.5	99.0	98.5	104.5	102.5	109.0	106.0	100.5	100.0	98.5	96.5	101.0	99.0	88.5	86.5		99.4	86.5	109.0
Original Sample Value Units	4.6 UGL		4.6 UGL					141 UGL	141 UGL	141 UGL	141 UGL	141 UGF	141 UGE			_							_	141 UGL	_	_	4650 UGL									
. To .		v	v	v	, V	v	v	v					v	v	v	v	v	v	v	v	v	v							v	v						
Value	50.4	47.8	49.5	49.3	48.7	48.7	48.6	. 51					2040	1980	1990	1960	2000	1970	1980	1970	2090	2050	2180	2120	2010	2000	1970	1930	2020	1980	1770	1730				
Spike Value	50	20	20	20	20	20	20	20					2000	2000	2000	2000	2000	2000	2000	2000	2000	2000 .	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000				
Analysis Date	03-0CT-95	03-0CI-95	27-NOV-95	27-NOV-95	27-NOV-95	27-NOV-95	28-NOV-95	28-NOV-95					27-NOV-95	27-NOV-95	03-0CT-95	03-0CT-95	27-NOV-95	27-NOV-95	27-NOV-95	27-NOV-95	28-NOV-95	28-NOV-95	27-NOV-95	27-NOV-95	03-0CI-95	03-0CI-95	27-NOV-95	27-NOV-95	27-NOV-95	27-NOV-95	28-NOV-95	28-NOV-95				
Sample Date	13-SEP-95	13-SBP-95	31-0CT-95	31-0CT-95	02-NOV-95	02-NOV-95	03-NOV-95	03-NOV-95					30-0CT-95	30-0CT-95	13-SBP-95	13-SRP-95	31-0CT-95	31-0CT-95	02-NOV-95	02-NOV-95	.03-NOV-95	03-NOV-95	30-0CT-95	30-0CI-95	13-SEP-95	13-SBP-95	31-0CI-95	31-0CT-95	02-NOV-95	02-NOV-95	03-NOV-95	03-NOV-95				
Lab Number Lot	DV4W*204 ZPLP	DV4W*204 ZFLF	DV4W*233 ZPSF	DV4W*233 ZPSP	DV4W*271 ZFVP	DV4W*271 ZFVP	DV4W*451 ZPTP	DV4W*451 ZPTP			,	•	DV4F*167 ZPSF		DV4F*204 ZPLF	DV4F*204 ZPLP	DV4F*233 ZFSF	DV4P*233 ZPSF	DV4F*271 ZFVF	DV4F*271 ZFVF	DV4F*451 ZFTF	DV4P*451 ZPTP	DV4W*167 ZPSP	DV4W*167 ZFSF	DV4W*204 ZFLF	DV4W*204 ZPLP	DV4W*233 ZPSP	DV4W*233 ZPSF	DV4W*271 ZFVP	DV4W*271 ZFVF	DV4W*451 ZPTP	DV4W*451 ZFTP				
IRCMIS Field Sample Number	WX5705XX	WX5705XX	MXAX02X1	MXAX02X1	MXZW10X3	MX ZW10X3	MXAX08B1	MXAX08B1					MX5701X1	MX5701X1	WXS705XX	WX5705XX	MXAX02X1	MXAX02X1	MX ZW1 0X3	MXZW10X3	MXAX08B1	MXAX08B1	MX5701X1	MX5701X1	WX5705XX	WX5705XX	MXAX02X1	MXAX02X1	MXZW10X3	MXZW10X3	MXAX08B1	MXAX08B1				
Test Name		AG	AG	200	S G	AG	AG.	AG	*****	avg	minim	maximum	ŊŢ.	Į.	1	Ąr	¥	Æ	¥.	¥	Æ	Æ	¥r.	¥	Æ	Æ	Æ	Æ	F	Æ	¥	Æ	********	avg	minimum	maximum
IRDMIS Method Code	5310	SS10	5510	8810	8810	8810	8310	5510					8310	2810	2510	8810	8810	2810	8810	SS10	8810	5510	SS10	2210	S310	\$310	SS10	SS10	2210	5310	8310	5310				
Method Description	METALS IN WATER BY ICAP	IN WATER	TN WATER BY	IN WATER BY	IN WATER BY	TN WATER BY	TN WATER BY	IN WATER BY					METALS IN WATER BY ICAP	IN WATER BY	IN WATER BY	TN WATER BY	IN WATER BY	IN WATER BY	IN WATER BY	IN WATER BY	IN WATER BY	IN WATER BY	IN WATER BY	IN WATER BY	IN	IN WATER	METALS IN WATER BY ICAP	IN WATER BY	METALS IN WATER BY ICAP	IN WATER BY	METALS IN WATER BY ICAP	IN WATER BY				

Chemical Quality Control Report Installation: Fort Devens, MA (DV) Group 4 Sites

Method Description	IRDMIS Method Code	Test Name	IRDMIS Field Sample Number	Lab Number I	1 P	Sample Date	Analysis Date	Spike Value	Value <	Oziginal Sample Value Units	Percent Recovery	RPD
		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1							1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	• • • • • • • • • • • • • • • • • • •	!
METALS IN WATER BY ICAP	3310	BA	MX5701X1	DV4F*167 2	E 4842	30-OCT-95	27-NOV-95	2000	1840	14.8 UGL	92.0	1.6
METALS IN WATER BY ICAP	3310	BA	MX5701X1	DV4F*167 2	E dSd2	30-OCT-95	27-NOV-95	2000	1810	14.8 UGL	90.5	1.6
METALS IN WATER BY ICAP	8310	BA	WX5705XX	DV4P*204 2	ZFLP 1	13-SRP-95	03-OCT-95	2000	1830	43.1 UGL	91.5	1.1
METALS IN WATER BY ICAP	3310	æ	WX5705XX	DV4F*204 2	ZPLP 1	13-SRP-95	03-OCT-95	2000	1810	43.1 UGL	90.5	1.1
METALS IN MATER BY ICAP	8310	æ	MXAX02X1	DV4P*233 2	ZPSF 3	31-OCT-95	27-NOV-95	2000	1820	26.2 UGL	91.0	9.
METALS IN NATER BY ICAP	8310	BA	MXAX02X1	DV4P*233 2	ZPSP 3	31-0CT-95	27-NOV-95	2000	1810	26.2 UGL	90.5	۰.
METALS IN WATER BY ICAP	8810	BA	MX ZW1 0X3	DV4P*271 2	ZFVP 0	02-NOV-95	27-NOV-95	2000	1800	14 UGL	90.0	۰.
METALS IN WATER BY ICAP	3310	BA	MX ZW1 0X3	DV4F*271 2	ZPVP 0	02-NOV-95	27-NOV-95	2000	1790	14 UGL	89,5	۰.
METALS IN WATER BY ICAP	8310	BA	MXAX08B1	DV4P*451 2	O ALAZ	03-NOV-95	28-NOV-95	2000	1920	18.8 UGE	96.0	2.1
METALS IN WATER BY ICAP	5310	BA	MXAX08B1		ZPTP	03-NOV-95	28-NOV-95	2000	1880		94.0	2.1
METALS IN WATER BY ICAP	5310	ВА	MX5701X1	DV4W*167 2	ZPSF 3	30-OCT-95	27-NOV-95	2000	1880	33.9 UGL	94.0	3.5
METALS IN WATER BY ICAP	5310	BA	MX5701X1	DV4W*167 2	ZPSF 3	30-0CT-95	27-NOV-95	2000	1820	33.9 UGL	91.0	3.2
METALS IN WATER BY ICAP	5510	BA	WX5705XX	DV4W*204 2	ZPLP 1	13-SRP-95	03-OCT-95	2000	1890	41.3 UGL	94.5	0.0
METALS IN WATER BY ICAP	8810	BA	WX5705XX	DV4W*204 2	ZPLP 1	13-SEP-95	03-OCT-95	2000	1890	41.3 UGL	94.5	0.0
METALS IN WATER BY ICAP	3310	BA	MXAX02X1	DV4W*233 2	ZPSF 3	31-OCT-95	27-NOV-95	2000	1810	28.5 UGL	90.5	9.
METALS IN WATER BY ICAP	5510	BA	MXAX02X1	DV4W*233 2	E 4S42	31-0CT-95	27-NOV-95	2000	1800	28.5 UGL	90.0	9.
METALS IN WATER BY ICAP	\$310	BA	MXZW10X3	DV4W*271 2	ZFVP 0	02-NOV-95	27-NOV-95	2000	1820	15.2 UGL	91.0	1.1
METALS IN WATER BY ICAP	5310	BA	MXZW10X3	DV4W*271 2	ZFVP 0	02-NOV-95	27-NOV-95	2000	1800	15.2 UGL	90.0	1.1
METALS IN WATER BY ICAP	5310	BA	MXAX08B1	DV4W*451 2	ZPTP	03-NOV-95	28-NOV-95	2000	1860	48.1 UGL	93.0	2.7
METALS IN WATER BY ICAP	8310	BA	MXAX08B1	DV4W*451 2	ZPTP 0	03-NOV-95	28-NOV-95	2000	1810	48.1 UGL	90.5	2.7

		gvg									91.7	
		minimum									89.5	
		maximum									96.0	
METALS IN WATER BY ICAP	S310	BR	MX5701X1	DV4F*167 2	ZPSP 3	30-0CT-95	27-NOV-95	20	54.3 <	s ugi	108.6	5.3
METALS IN WAITER BY ICAP	5510	BB	MX5701X1	DV4P*167 2	E ASAZ	30-OCT-95	27-NOV-95	20	51.5 <	S UGI	103.0	5.3
METALS IN WATER BY ICAP	8510	88	WX5705XX	DV4P*204 2	ZPLP 1	13-SEP-95	03-0CT-95	20	53.8 <	TEN S	107.6	0.0
METALS IN WATER BY ICAP	5510	BB	WX5705XX	DV4F*204 2	ZFLF 1	13-SRP-95	03-0CT-95	20	53.8 <	750 S	107.6	0.0
BY	S 310	BB	MXAX02X1	DV4P*233 2	ZFSF 3	31-0CT-95	27-NOV-95	20	> 25.7 <	S UGL	111.4	2.5
IN WATER BY	8210	88	MXAX02X1			31-OCT-95	27-NOV-95	20	54.3 <		108.6	2.5
IN WATER BY	8310	BB	MXZW10X3			02-NOV-95	27-NOV-95	20	54.4	S UGL	108.8	0.0
IN WATER BY	SS10	BB	MXZW10X3	DV4F*271 2	ZFVP 0	02-NOV-95	27-NOV-95	20	54.4 <	150 S	108.8	0.0
IN WATER BY	2310	BB	MXAX08B1	DV4P*451 2	O ALAZ	03-NOV-95	28-NOV-95	20	58.5	s ugi	117.0	0.0
IN WATER BY	2310	88	MXAX08B1			03-NOV-95	28-NOV-95	20	58.5	150 S	117.0	0.0
METALS IN WATER BY ICAP	2310	BE	MX5701X1	DV4W*167 Z	ZPSP 3	30-OCT-95	27-NOV-95	20	54.8	S UGL	109.6	5.6
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Chemical Quality Control Report Installation: Fort Devens, MA (DV) Group 4 Sites

Method Description	IRDMIS Method Code	Test Name	IRDMIS Field Sample Number		Ş	Sample Date	Analysis Date	Spike Value	Value <	Original Sample Value Units	Percent Recovery	RPD
METALS IN WATER BY ICAP	\$310	BB	MX5701X1	DV4W*167	ZFSF	30-0CT-95	27-NOV-95	50	53.4 <	2 UGL	106.8	5.6
IN WATER BY	8810	BB	WX5705XX	DV4W*204	ZPILP	13-SRP-95	03-0CT-95	20	> 8.55		111.6	3.1
IN WATER BY	8810	88	WX5705XX	DV4W*204	ZPLP	13-SBP-95	03-OCT-95	20	54.1 <		108.2	3.1
IN WATER BY	8310	BB	MXAX02X1	DV4W*233	ZPSP	31-0CT-95	27-NOV-95	20	54.1 <	S USE	108.2	ь. Б.
IN WATER BY	8810	BB	MXAX02X1	DV4W*233	ZFSF	31-0CT-95	27-NOV-95	20	51.3 <	2 OGF	102.6	5,3
IN WATER BY	5310	38	MXZW10X3	DV4W*271	ZFVP	02-NOV-95	27-NOV-95	20	54.6 <		109.2	0.0
IN WATER BY	2310	BR	MXZW10X3	DV4W*271	ZFVP	02-NOV-95	27-NOV-95	20	54.6 <	Ten s	109.2	0.0
IN WATER BY	8810	BR	MXAX08B1	DV4W*451	ZFTF	03-NOV-95	28-NOV-95	20	57.7 <	S UGL	115.4	5.5
IN WATER BY	8810	BR	MXAX08B1	DV4W*451	ZFTP	03-NOV-95	28-NOV-95	20	54.6 <	ogr S	109.2	S
		********	-									
		avq									109.4	
		minim									102.6	•
		maximum									117.0	
METALS IN WATER BY ICAP	3310	์ฮ์	MX5701X1	DV4F*167	ZPSP	30-0CT-95	27-NOV-95	10000	10400	5620 UGL	104.0	2.9
TN WATER BY	8810	đ	MX5701X1	DV4F*167	ZPSF	30-0CF-95	27-NOV-95	10000	10100	5620 UGL	101.0	8.8
TN WATER BY	8810	් ඒ	WX5705XX		ZFIF	13-SRP-95	03-0CT-95	10000	10400	19100 UGL	104.0	1.9
IN WATER BY	5510	ే	WX5705XX		ZFLP	13-SEP-95	03-0CT-95	10000	10200	_	102.0	1.9
IN WATER BY	5510	ð	MXAX02X1		dSd2	31-0CT-95	27-NOV-95	10000	9950	_	99.5	4.1
IN WATER BY	5510	ජ	MXAX02X1	DV4F*233	4S42	31-0CT-95	27-NOV-95	10000	9550	_	95.5	4.1
IN WATER BY	8810	ð	MXZW10X3	DV4F*271	ZEVP	02-NOV-95	27-NOV-95	10000	10700	-	107.0	0.0
IN WATER BY	8810	ಕ	MXZW10X3	DV4F*271	ZEVP	02-NOV-95	27-NOV-95	10000	10700	_	107.0	0.0
IN WATER BY	3310	đ	MXAX08B1	DV4P*451	ZFTP	03-NOV-95	28-NOV-95	10000	13400	_	134.0	11.9
IN WATER BY	5510	ฮ	MXAX08B1	DV4F*451	ZFTF	03-NOV-95	28-NOV-95	10000	11900	_	119.0	11.9
IN WATER BY	8310	ฮ	MX5701X1	DV4W*167	ZPSP	30-0CI-95	27-NOV-95	10000	10800	_	108.0	4.7
METALS IN WATER BY ICAP	\$510	đ	MX5701X1	DV4W*167	ZFSF	30-0CT-95	27-NOV-95	10000	10300	_	103.0	4.7
Z	8810	đ	WX5705XX	DV4W*204	ZFLP	13-SRP-95	03-0CT-95	10000	10700	_	107.0	ø.
METALS IN WATER BY ICAP	SS10	రే	WX5705XX	DV4W*204	ZFLF	13-SBP-95	03-0CT-95	10000	10600	_	106.0	e.
Ä	S310	đ	MXAX02X1	DV4W*233	ZFSF	31-0CT-95	27-NOV-95	10000	9140	_	91.4	5.7
	8810	ජ	MXAX02X1	DV4W*233	ZFSF	31-0CT-95	27-NOV-95	10000	8630	_	86.3	5.7
IN WAITER BY	8810	ð	MXZW10X3	DV4W*271	ZEVE	02-NOV-95	27-NOV-95	10000	10300	_	103.0	5.3
Z	5310	đ	MXZW10X3	DV4W*271	A AA2	02-NOV-95	27-NOV-95	10000	9770	_	97.7	Б. Б.
	8810	ฮ	MXAX08B1	DV4W*451	ZFTF	03-NOV-95	28-NOV-95	10000	11900	_	119.0	9.1
IN WATER BY	SS10	రే	MXAX08B1	DV4W*451	ZFTP	03-NOV-95	28-NOV-95	10000	10800	60500 UGL	108.0	9.1
		****									1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
		avg.									105.1	
		minimum									86.3	

Chemical Quality Control Report Installation: Fort Devens, MA (DV) Group 4 Sites

Method Description	IRDMIS Method Code	Test Name	IRDMIS Field Sample Number	Lab Number I	Tot	Sample Date	Analysis Date	Spike Value	Value	· 6	Original Sample Value Unite	Percent Recovery	RPD
* * * * * * * * * * * * * * * * * * *		maximum	 	 	 	; ; ; ; ; ; ; ;	1 1 1 1 1 1 3 3 3 4 4 4 4 4 4 5	1 	' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' '			134.0	
METALS IN WATER BY ICAP	8310	8	MX5701X1	DV4P*167 Z	ZPSP 3	30-0CT-95	27-NOV-95	20	45.2	v	4.01 UGE	₩.06	4.5
IN WATER BY	5510	8	MX5701X1	DV4P*167 Z	ZPSF 3	30-0CT-95	27-NOV-95	20	43.2	v	4.01 UGL	86.4	4.5
METALS IN WATER BY ICAP	5310	8	WX5705XX	DV4F*204 Z	ZPLF 1	13-SBP-95	03-OCT-95	20	49.8	v	-	9.66	1.0
METALS IN WATER BY ICAP	8310	8	WX5705XX	DV4P*204 2	ZPLF 1	13-SBP-95	03-OCT-95	20	49.3	v	_	98.6	1.0
IN WATER BY	3310	8	MXAX02X1	DV4P*233 2	ZPSF 3	31-0CT-95	27-NOV-95	20	43.8	v	_	87.6	2.3
IN WATER BY	3310	8	MXAX02X1	DV4F*233 2	ZPSP 3	31-0CT-95	27-NOV-95	20	42.8	v	_	85.6	2.3
IN WATER BY	8310	8	MXZW10X3	DV4F*271 Z	ZEVP 0	02-NOV-95	27-NOV-95	20	46.3	v	_	92.6	1.3
METALS IN WATER BY ICAP	5510	8	MX ZW1 0X3	DV4P*271 2	ZFVP 0	02-NOV-95	27-NOV-95	20	45.7	v	•	91.4	1.3
METALS IN WATER BY ICAP	5310	8	MXAX08B1	DV4P*451 2	_	03-NOV-95	28-NOV-95	20	53.3	v		106.6	₩.
METALS IN WATER BY ICAP	5310	8	MXAX08B1	DV4F*451 2	ZPTP 0	03-NOV-95	28-NOV-95	20	52.9	v		105.8	œ.
METALS IN WATER BY ICAP	5310	8	MX5701X1	DV4W*167 2	ZPSP 3	30-0CI-95	27-NOV-95	20	47.2	v	•	94.4	1.1
METALS IN WATER BY ICAP	8310	8	MX5701X1	DV4W*167 2	ZFSF 3	30-0CT-95	27-NOV-95	20	46.7	v		93.4	1.1
METALS IN WATER BY ICAP	5310	8	WXS705XX	DV4W*204 2	ZPLP 1	3-SEP-95	03-OCT-95	20	51,5	v		103.0	4 .0
Z	8810	8	WX5705XX	DV4W*204 2	ZFLP 1	13-SBP-95	03-OCT-95	20	49.5	v		0.66	4.0
METALS IN WATER BY ICAP	2310	8	MXAX02X1	DV4W*233 2	ZPSP 3	31-OCT-95	27-NOV-95	20	45.9	v	_	91.8	m. m
METALS IN WATER BY ICAP	3310	8	MXAX02X1	DV4W*233 2	ZPSF 3	31-OCT-95	27-NOV-95	20	44.4	v		88.8	3.3
METALS IN WATER BY ICAP	3310	8	MXZW10X3	DV4W*271 2	_	02-NOV-95	27-NOV-95	20	47.5	v	_	95.0	ų.
METALS IN WATER BY ICAP	5310	8	MX ZW1 0X3	DV4W*271 2	ZFVP 0	02-NOV-95	27-NOV-95	20	47.2	v	Ϊ.	94.4	ب
Z	8310	8	MXAX08B1	DV4W*451 2	O ALAZ	03-NOV-95	28-NOV-95	20	54.1		_	108.2	5.3
METALS IN WATER BY ICAP	8810	8	MXAX08B1	DV4W*451 2	ZFTP 0	03-NOV-95	28-NOV-95	20	51.3	v	4.01 UGL	102.6	5.3

		avg.										92.8	
		minim										85.6	
		maximum										108.2	
METALS IN WATER BY ICAP	5510	8	MX5701X1	DV4P*167 2	ZPSP 3	30-0CT-95	27-NOV-95	200	549	v	25 UGL	109.8	2.2
IN WATER BY	3310	8	MX5701X1		ZPSP 3	30-0CT-95	27-NOV-95	200	537	v	25 UGL	107.4	7.7
IN WATER BY	5510	8	WX5705XX	DV4P*204 2	ZPLP 1	13-SBP-95	03-OCT-95	200	564	v		112.8	ĸ.
IN WATER BY	SS10	8	WX5705XX	DV4P*204 2	ZPLP 1	13-SRP-95	03-OCT-95	200	561	v		112.2	\$
METALS IN WATER BY ICAP	8310	8	MCAX02X1	DV4P*233 2	ZPSP 3	31-OCT-95	27-NOV-95	200	540	v	_	108.0	₹.
METALS IN WATER BY ICAP	5310	8	MXAX02X1	DV4F*233 2	ZPSP 3	31-0CI-95	27-NOV-95	200	538	v	_	107.6	*
METALS IN WATER BY ICAP	8810	8	MXZW10X3	DV4P*271 2	_	02-NOV-95	27-NOV-95	200	543	v		108.6	ō.
METALS IN WATER BY ICAP	8310	8	MXZW10X3			02-NOV-95	27-NOV-95	200	238	v		107.6	6.
METALS IN WATER BY ICAP	8310	8	MXAX08B1			03-NOV-95	28-NOV-95	200	581	v	_	116.2	1.7
METALS IN WATER BY ICAP	SS10	8	MXAX08B1	DV4P*451 2	o ALAZ	03-NOV-95	28-NOV-95	200	571	v	25 UGL	114.2	1.7

Chemical Quality Control Report Installation: Fort Devens, MA (DV) Group 4 Sites

RPD	3.6	3.6	1.5	1.5	9.	9.	1.1	1.1	2.7	2.7					3.2	3.2	1.0	1,0	0.0	0.0	0.0	0.0	4.5	4.5	4.0	4 .0	1.0	1.0	1.6	1.6	'n	.5	5.6	5.6		
Percent Recovery	113.6	109.6	119.0	117.2	107.0	106.4	109.2	108.0	113.8	110.8		111.0	106.4	119.0	96.5	93.5	96.0	95.0	92.5	92.5	93.5	93.5	103.0	98.5	101.5	97.5	101.0	100.0	95.0	93.5	95.5	95.0	98.0	95.5	;	96.4
Original Sample Value Unite	_		_					25 UGL	25 UGF	25 UGF	•				6.02 UGL	6.02 UGL	_	_	_	6.02 UGL	6.02 UGL	6.02 UGL	_	6.02 UGL			6.02 UGL	6.02 UGL		6.02 UGL	6.02 UGL	6.02 UGL	. 11.9 UGL	11.9 UGL	•	
; v ; g ;	v	v	v	٧	v	٧	v	v	v	v					,v	v	v	· v	v	٧	v	v	v	v	v	٧	v	v	٧	v	v	v				
Value	568	548	595	586	535	532	546	540	569	554					193	187	192	190	185	185	187	187	206	197	203	195	202	200	190	187	191	190	196	191		
Spike Value	200	200	200	200	200	200	200	200	200	200					200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200		
Analysis Date	27-NOV-95	27-NOV-95	03-OCT-95	03-OCT-95	27-NOV-95	27-NOV-95	27-NOV-95	27-NOV-95	28-NOV-95	28-NOV-95					27-NOV-95	27-NOV-95	03-0CT-95	03-0CT-95	27-NOV-95	27-NOV-95	27-NOV-95	27-NOV-95	28-NOV-95	28-NOV-95	27-NOV-95	27-NOV-95	03-0CT-95	03-0CT-95	27-NOV-95	27-NOV-95	27-NOV-95	27-NOV-95	28-NOV-95	28-NOV-95		
Sample Date	30-0CT-95	30-0CT-95	13-SRP-95	13-SBP-95	31-0CT-95	31-0CI-95	02-NOV-95	02-NOV-95	03-NOV-95	03-NOV-95					30-007-95	30-0CT-95	13-SRP-95	13-SRP-95	31-0CT-95	31-0CT-95	02-NOV-95	02-NOV-95	03-NOV-95	03-NOV-95	30-0CI-95	30-0CT-95	13-SRP-95	13-SEP-95	31-0CT-95	31-0CT-95	02-NOV-95	02-NOV-95	03-NOV-95	03-NOV-95		
Lot		7 ZPSF	ATIAZ 1	ATAZ 1	YESF	ASAZ 1	ZEVP	ZEVE	TEL	TELE 1					ASAZ /								ZFTP	ZFTP	ZPSP	ZPSF	ZPLP	ZFLP	ZPSP	ZPSF	ZFVP	ZFVP	ZFTF	ZFTP		
Lab Number	DV4W*167	DV4W*167	DV4W*204	DV4W*204	DV4W*233	DV4W*233	DV4W*271	DV4W*271	DV4W*451	DV4W*451					DO4P#167	DV4R*167	TV4P*204	TV4F*204	DV4P*233	DV4F*233	DV4F*271	DV4F*271	DV4F*451	DV4P*451	DV4W*167	DV4W*167	DV4W*204	DV4W*204	DV4W*233	DV4W*233	DV4W*271	DV4W*271	DV4W*451	DV4W*451		
IRDMIS Field Sample Number	MX5701X1	MX5701X1	WXS705XX	WX5705XX	MXAX02X1	MXAX02X1	MXZW10X3	MXZW10X3	MXAX08B1	MXAX08B1	ŧ				MX5701X1	MX5701X1	WXS705XX	WX5705XX	MXAX02X1	MXAX02X1	MXZW10X3	MXZW10X3	MXAX08B1	MXAX08B1	MX5701X1	MX5701X1	WX5705XX	WX5705XX	MXAX02X1	MXAX02X1	MX ZW10X3	MXZW10X3	MXAX08B1	MXXX08B1	•	
Test	8	8	8	8	8	8	8	8	8	8	****	gve gve	minimum	maximum	ę	i e	į ę	ý e	íĐ	i 6	ថ	ජ	б	క	ర	ర	ర	б	f	క	రో	៩	f	f	*******	avg
IRDMIS Method Code	3310	\$310	8310	8310	5310	8810	8310	3310	8810	8810					0100	0188	252	9310	9810	5510	8810	5310	5310	3310	3310	2310	8310	3310	5310	3310	8310	3310	5310	2310	٠	
Method Description	METALS IN WATER BY ICAP	METALS IN WATER BY ICAP	METALS IN WATER BY ICAP	Z	IN WATER BY	IN WATER BY	IN WATER BY	IN WATER BY	IN WATER BY	IN WATER					dent or dental or cities	TN WATER BY	TH WATER BY	AG COLUMNIT	TN WATER BY	IN WATER BY	IN WATER BY	IN WATER BY	IN WATER BY	IN WATER BY	METALS IN WATER BY ICAP	IN WATER BY	IN WATER BY	IN WATER BY	IN WATER BY	IN WATER BY	IN WATER BY	IN WATER	METALS IN WATER BY ICAP	IN WATER BY		

Chemical Quality Control Report Installation: Fort Devens, MA (DV) Group 4 Sites

Method Description	IRDMIS Method Code	Test Name	IRDMIS Field Sample Number		ž Ž	Sample Date	Analysis Date	Spike Value	value <	Original Sample Value Units	Percent Recovery	RPD
	i 1 1 1 1 1	minimum	 	1 1 1 1 1 1 1	1 						92.5 103.0	
METALS IN WATER BY ICAP	\$310	8	MX5701X1	DV4P*167	ZPSP	30-0CT-95	27-NOV-95	250	251 <	8.09 UGL	100.4	1.2
IN WATER BY	3310	8	MX5701X1			30-0CI-95	27-NOV-95	250	248 <	8.09 USL	99.2	1.2
IN WATER BY	8310	8	WX5705XX	DV4P*204	ZPLP	13-SBP-95	03-0CT-95	250	248 <	8.09 UGL	99.5	₩.
IN WATER BY	5310	8	WX5705XX	DV4F*204	ZPLP	13-SBP-95	03-0CT-95	250	246 <	8.09 UGL	98.4	∞.
IN WATER BY	5510	8	MXAX02X1	DV4P*233	ZPSF	31-0CT-95	27-NOV-95	250	247 <	_	98.8	₩.
IN WATER BY	8810	8	MXAX02X1	DV4F*233	ZPSF	31-0CT-95	27-NOV-95	250	245 <	_	98.0	₩.
METALS IN WATER BY ICAP	5310	8	MX ZW10X3	DV4P*271	ZFVF (02-NOV-95	27-NOV-95	250	248 <	_	99.3	₹.
Z	S310	8	MX ZW10X3	DV4F*271	ZPVP (02-NOV-95	27-NOV-95	250	247 <	-	98.8	₹.
IN WATER BY	8810	8	MXAX08B1	DV4P*451	ZFTP	03-NOV-95	28-NOV-95	250	260 <	_	104.0	2.3
Z	8310	8	MXAX08B1	DV4P*451	ZFTP (03-NOV-95	28-NOV-95	250	254 <	8.09 UGL	101.6	2.3
METALS IN WATER BY ICAP	3310	8	MX5701X1	DV4W*167	ZFSF	30-0CT-95	27-NOV-95	250	256	_	102.4	3.2
Z	8310	8	MX5701X1	DV4W*167	ZPSF	30-0CT-95	27-NOV-95	250	248	_	99.3	3.2
Z	8810	8	WX5705XX	DV4W*204	ZPLP	13-SRP-95	03-0CT-95	250	260 <	8.09 UGL	104.0	8 0.
H	3310	8	WX5705XX	DV4W*204	ZPLP	13-SBP-95	03-OCT-95	250	258 <		103.2	.
METALS IN WATER BY ICAP	8310	8	MXAX02X1	DV4W*233	ZPSF	31-0CT-95	27-NOV-95	250	247 <	_	98.8	1.2
METALS IN WATER BY ICAP	SS10	8	MXAX02X1	DV4W*233	ZPSP	31-0CT-95	27-NOV-95	250	244 <		97.6	1.2
METALS IN WATER BY ICAP	8310	8	MX ZW10X3	DV4W*271	_	02-NOV-95	27-NOV-95	250	253 <	_	101.2	1.6
Z	3510	8	MXZW10X3	DV4W*271	ZPVP (02-NOV-95	27-NOV-95	250	249 <	8.09 UGL	9.66	1.6
ä	8810	8	MXAX08B1	DV4W*451	ZFTF	03-NOV-95	28-NOV-95	250	255 <	_	102.0	2.8
Z	8810	8	MXAX08B1	DV4W*451	ZPTP (03-NOV-95	28-NOV-95	250	248 <	8.09 UGL	99.2	2.8
		********	_									
		avg									100.2	
		minimum									97.6	
		maximum									104.0	
METALS IN WATER BY ICAD	8310	R	MX5701X1	DV4P*167	ZPSF	30-0CT-95	27-NOV-95	1000	716	72.9 UGL	7.76	2.6
IN WATER BY	8810	FB	MX5701X1			30-0CT-95	27-NOV-95	1000	952	72.9 UGL	95.2	2.6
IN WATER BY	8810	FB	WX5705XX			13-SBP-95	03-0CT-95	1000	1290	17200 UGL	129.0	6.8
IN WATER BY	2310	FB	WX5705XX	DV4F*204	ZPLF	13-SRP-95	03-OCT-95	1000	1180	17200 UGL	118.0	6.8
IN WATER BY	8310	PR	MXAX02X1	DV4F*233	ZPSP	31-0CT-95	27-NOV-95	1000	1060	_	106.0	4 .8
METALS IN WATER BY ICAP	2310	FB	MXAX02X1	DV4P*233	ZPSP	31-0CT-95	27-NOV-95	1000	1010	257 UGL	101.0	4 .8
METALS IN WATER BY ICAP	5310	FB	MX ZW10X3	DV4P+271	ZFVP (02-NOV-95	27-NOV-95	1000	1450		145.0	2.1
METALS IN WATER BY ICAP	8810	PB	MXZW10X3	DV4P*271	ZFVP (02-NOV-95	27-NOV-95	1000	1420		142.0	2.1
METALS IN WATER BY ICAP	2310	FB	MXAX08B1	DV4F*451	ZFTP	03-NOV-95	28-NOV-95	1000	1100	195 UGL	110.0	0.0

Chemical Quality Control Report Installation: Fort Devens, MA (DV) Group 4 Sites

Method Description	IRDMIS Method Code	Test	IRDMIS Field Sample Number	Lab Number Lot	Sample Date	Analysis Date	Spike Value	Value <	Original Sample Value Unite	Percent Recovery	RPD
METALS IN WATER BY ICAP	8810	FB	MXAX08B1	DV4P*451 ZPTP	03-NOV-95	28-NOV-95	1000	1100	_	110.0	0.0
METALS IN WATER BY ICAP	5510	PB	MX5701X1		m	27-NOV-95	1000	1180	_	118.0	8.8
METALS IN WATER BY ICAP	5310	PB	MX5701X1	DV4W*167 ZPSP	m	27-NOV-95	1000	1080	_	108.0	æ æ
METALS IN WATER BY ICAP	SSTO	PB	WX5705XX	DV4W*204 ZFLF	13-SBP-95	03-OCT-95	1000	1160	_	116.0	5.6
METALS IN WATER BY ICAP	2310	FB	WX5705XX	DV4W*204 ZPLP	•	03-OCT-95	1000	1130	-	113.0	5.6
METALS IN WATER BY ICAP	8810	FR	MXAX02X1	DV4W*233 ZPSP	٠.,	27-NOV-95	1000	958		92.8	1.3
METALS IN WATER BY ICAP	3310	78	MXAX02X1	DV4W*233 ZPSP	31-0CL-95	27-NOV-95	1000	946	1260 UGL	94.6	1.3
H	3310	FB	 MXZW10X3 	DV4W*271 ZFVP	02-NOV-95	27-NOV-95	1000	1050	18600 UGL	105.0	62.0
METALS IN WATER BY ICAP	8810	FB	MXZW10X3	DV4W*271 ZFVF	02-NOV-95	27-NOV-95	1000	553		55.3	62.0
METALS IN WATER BY ICAP	2510	FB	MXAX08B1	DV4W*451 ZFTF	03-NOV-95	28-NOV-95	1000	498	4570 UGL	49.8	1.6
METALS IN WATER BY ICAP	\$\$10	FB	MXAX08B1	DV4W*451 ZPTP	03-NOV-95	28-NOV-95	1000	490	6570 UGL	49.0	1.6
		********	*								
		avg								102.9	
		minimum								49.0	
		maximum								145.0	
METALS IN WATER BY ICAP	5510	×	MX5701X1	DV4P*167 ZPSP	30-0CT-95	27-NOV-95	10000	12000	1090 UGL	120.0	1.7
IN WATER	8810	×	MX5701X1	DV4P*167 ZPSF	30-0CI-95	27-NOV-95	10000	11800	1090 UGL	118.0	1.7
METALS IN WATER BY ICAP	S310	×	WX5705XX	DV4F*204 ZFLF	13-SEP-95	03-OCT-95	10000	11100		111.0	٥.
METALS IN WATER BY ICAP	8310	×	WX5705XX	DV4P*204 ZPLF	13-SEP-95	03-OCT-95	10000	11000	_	110.0	6.
METALS IN WATER BY ICAP	8210	×	MXAX02X1	•••		27-NOV-95	10000	11700	_	117.0	1.7
	3310	×	MXAX02X1	DV4F*233 ZFSF	•	27-NOV-95	10000	11500	_	115.0	1.7
METALS IN WATER BY ICAP	SS10	×	MX ZW1 OX3	DV4P*271 ZFVP	02-NOV-95	27-NOV-95	10000	11300	_	113.0	2.7
METALS IN WATER BY ICAP	5510	보	MXZW10X3			27-NOV-95	10000	11000		110.0	2.7
METALS IN WATER BY ICAP	8310	×	MXAX08B1			28-NOV-95	10000	12000	_	120.0	6.0
METALS IN WATER BY ICAP	2210	×	MXAX08B1			28-NOV-95	10000	11300	_	113.0	6.0
WATER BY	2310	×	MX5701X1		• •	27-NOV-95	10000	11600	_	116.0	5.3
METALS IN WATER BY ICAP	S310	×	MX5701X1			27-NOV-95	10000	11000	_	110.0	5.3
METALS IN WATER BY ICAP	2310	¥	WX5705XX	DV4W*204 ZPLP	13-SBP-95	03-OCT-95	10000	11100	_	111.0	0.0
METALS IN WATER BY ICAP	5310	×	WXS705XX	DV4W*204 ZPLP	13-SEP-95	03-OCT-95	10000	11100	_	111.0	0.0
METALS IN WATER BY ICAP	5310	×	MXAX02X1	DV4W*233 ZPSF	• •	27-NOV-95	10000	11500	_	115.0	4.4
METALS IN WATER BY ICAP	2310	×	MXAX02X1	DV4W*233 ZPSP	31-0CT-95	27-NOV-95	10000	11000	_	110.0	4.4
METALS IN WATER BY ICAP	2210	×	MXZW10X3	DV4W*271 ZFVF	02-NOV-95	27-NOV-95	10000	11300	_	113.0	e.
METALS IN WATER BY ICAP	8810	×	MXZW10X3	DV4W*271 ZFVP	_	27-NOV-95	10000	11200	_	112.0	e.
METALS IN WATER BY ICAP	S310	×	MXXX08B1	DV4W*451 ZFTP	03-NOV-95	28-NOV-95	10000	11100	_	111.0	3.7
METALS IN WATER BY ICAP	3310	×	MXAX08B1	DV4W*451 ZFTF	03-NOV-95	28-NOV-95	10000	10700	5580 UGL	107.0	3.7
		******	*						•		

Chemical Quality Control Report Installation: Fort Devens, MA (DV) Group 4 Sites

Method Description	IRDMIS Method Code	Test Name	IRDMIS Field Sample Number	Lab Number	Lot 1	Sample Date	Analysis Date	Spike Value	Value <	Original Sample Value Units	Percent Recovery	RPD
	; ; ; ; ; ;	gv@	1	; . ; ; ; ; ;		: : : : : : : :	E	1 1 1 1 1 1 1 1 1 1	; 1	·	113.2	!
		minimum								•	107.0	
		maximum									120.0	
METALS IN WATER BY ICAP	5310	Đ.	MX5701X1	DV4P*167	ZPSP	30-0CT-95	27-NOV-95	10000	10300	612 UGL	103.0	2.0
METALS IN WATER BY ICAP	8310	Ð	MX5701X1	DV4P*167	ZPSF	30-0CT-95	27-NOV-95	10000	10100	612 UGL	101.0	2.0
IN WATER BY	8310	MG	WX5705XX	DV4P*204	•	13-SBP-95	03-0CT-95	10000	0966	1180 UGL	99.6	1.3
IN WATER BY	2310	MG	WX5705XX	DV4P*204	•	13-SBP-95	03-0CT-95	10000	9830	1180 UGL	98.3	1.3
IN WATER BY	5310	MG	MXAX02X1	DV4P+233	٠.	31-0CT-95	27-NOV-95	10000	10200	_	102.0	1.0
WATER BY	5310	MG	MXAX02X1	DV4P*233	•	31-0CT-95	27-NOV-95	10000	10100	5750 USL	101.0	1.0
IN WATER BY	3310	MG	MXZW10X3	DV4P*271	_	02-NOV-95	27-NOV-95	10000	10000		100.0	9.
IN WATER BY	8310	Œ.	MXZW10X3		_	02-NOV-95	27-NOV-95	10000	9940	-	99.4	9.
IN WATER BY	8310	Ð	MXAX08B1		_	03 -NOV-95	28-NOV-95	10000	11700		117.0	7.1
IN WATER BY	8310	Ü	MXAX08B1		_	03 -NOV-95	28-NOV-95	10000	10900		109.0	7.1
IN WATER BY	5310	Ð	MX5701X1			30-0CT-95	27-NOV-95	10000	10500		105.0	9.8
IN WATER BY	3210	W.C.	MX5701X1			30-0CI-95	27-NOV-95	10000	10100		101.0	3.9
IN WATER BY	8810	ÐW	WX5705XX		• •	13-SRP-95	03-OCT-95	10000	10200		102.0	0.0
IN WATER BY	3310	Ü	WX5705XX		• •	13-SEP-95	03-0CT-95	10000	10200		102.0	0.0
IN WATER BY	3310	Œ	MXAX02X1		• •	31-0CT-95	27-NOV-95	10000	10100		101.0	2.4
IN WATER BY	8810	W C	MXAX02X1		• •	31-0CT-95	27-NOV-95	10000	9860		98.6	7.4
IN WATER BY	8310	MG	MXZW10X3	DV4W*271	_	02-NOV-95	27-NOV-95	10000	10200	2030 UGL	102.0	2.0
IN WATER BY	3310	MG	MXZW10X3		_	02-NOV-95	27-NOV-95	10000	10000	-	100.0	2.0
IN WATER BY	3310	W C	MXAX08B1	DV4W*451	_	03-NOV-95	28-NOV-95	10000	10700	25100 UGL	107.0	5.8
METALS IN WATER BY ICAP	8310	W C	MXAX08B1	DV4W*451	ZFTF	03-NOV-95	28-NOV-95	10000	10100	25100 UCL	101.0	8.
		****								•		
		9 46									102.5	
		minimum									98.3	
		maximum									117.0	
METALS IN WATER BY ICAP	8310	MN	MX5701X1	DV4P*167	ZPSF	30-0CT-95	27-NOV-95	200	498	38.5 UGL	99.6	2.2
IN WATER BY	2310	W	MX5701X1		ZPSF 3	30-0CT-95	27-NOV-95	200	487	38.5 UCL	97.4	2.2
IN WATER BY	3310	MN	WX5705XX		•	13-SBP-95	03-0CT-95	200	511	483 UGL	102.2	1.2
IN WATER BY	2310	¥.	WX5705XX		• •	13-SBP-95	03-OCT-95	200	505	483 UGL	101.0	1.2
IN WATER BY	2210	¥	MXAX02X1		• •	31-0CT-95	27-NOV-95	200	468	3890 UCL	93.6	6.9
IN WATER BY	SS10	Ž.	MXAX02X1		•	31-0CT-95	27-NOV-95	200	437		87.4	6.9
IN WATER BY	2210	Z.	MXZW10X3		_	02-NOV-95	27-NOV-95	200	521	-	104.2	9.
METALS IN WATER BY ICAP	SS10	Ž.	MCKZW10X3	DV4F*271	ZFVP	02-NOV-95	27-NOV-95	200	518	1210 UGL	103.6	ø.

Chemical Quality Control Report Installation: Fort Devens, MA (DV) Group 4 Sites

Method Description	IRDMIS Method Code	Test Name	IRDMIS Field Sample Number			Sample Date	Analysis Date	Spike Value	Value <	Original Sample Value Units	Percent ts Recovery	RPD
METALS IN WATER BY ICAP	\$310	W.W.	MXAX08B1	DV4P*451) ALAZ	03-NOV-95	28-NOV-95	500	613	1540 UGL	122.6	8.5
TN WATER BY	8310	NE.	MXAX08B1	DV4F*451	_	03-NOV-95	28-NOV-95	200	563	1540 UGL		
IN WATER BY	2210	M	MX5701X1	DV4W*167	ZPSP	30-0CT-95	27-NOV-95	200	535	-		5.2
IN WATER BY	SS10	WW	MX5701X1	DV4W*167	ZPSF	30-0CT-95	27-NOV-95	200	508	_		
IN WATER BY	8810	Z.	WX5705XX		ZPLP 1	13-SBP-95	03-0CT-95	200	526			4.
IN WATER BY	8810	NE.	WX5705XX	DV4W*204	ZPLP 1	13-SRP-95	03-0CT-95	200	524	_	**	
IN WATER BY	5510	WW	MXAX02X1	DV4W*233	ZPSF 3	31-0CT-95	27-NOV-95	200	358	_		5 19.6
IN WATER BY	8810	WN	MXAX02X1	DV4W*233	E ASAZ	31-0CT-95	27-NOV-95	200	294	_		
IN WATER BY	8310	WE	MX ZW1 0X3	DV4W*271	ZEVP	02-NOV-95	27-NOV-95	200	493	_		7.4
IN WATER BY	SS10	WW	MXZW10X3	DV4W*271	ZFVF (02-NOV-95	27-NOV-95	200	458	_		
IN WATER BY	3210	MN	MXAX08B1	DV4W*451) ALAZ	03-NOV-95	28-NOV-95	200	558	_		7.2
H	8810	NE.	MXAX08B1	DV4W*451	ZFIT	03-NOV-95	28-NOV-95	200	519	1870 UGL	103.8	
		*******	•									
		avg									98.9	•
		minim									58.8	
		maximum									122.6	.
dent ve comment out a veneral	6	ş	WYEZOTYT	T074P#167	2882	30-007-95	27-NOV-95	10000	11000	14500 UGL	110.0	4.7
TO WITH			WYE701 V1			20-07-05	27-WW-95	1000	10500	_		4.7
IN WATER BY	0155	5 5	WX5705XX		• • •	13-SEP-95	03-0CT-95	10000	10700	_	_	0.0
TN WATER RY	8810	į g	WX5705XX			13-SEP-95	03-0CI-95	10000	10700	15800 UGL	107.0	0.0
IN WATER BY	5310	i S	MXAX02X1			31-0CT-95	27-NOV-95	10000	10600	_		
TN WATER BY	\$310	A	MXAX02X1		•	31-0CT-95	27-NOV-95	10000	10100	_		4.8
IN WATER BY	5310	Ą	MXZW10X3	DV4F*271	ZFVP (02-NOV-95	27-NOV-95	10000	10900	_		
IN WATER BY	3310	Ā	MXZW10X3	DV4F*271	2FVP C	02-NOV-95	27-NOV-95	10000	10900	_	,-	0.0
IN WATER BY	5510	æ	MXAX08B1	DV4P*451	ZFTP	03-NOV-95	28-NOV-95	10000	12300	_		
Z	SS10	Ą	MXAX08B1	DV4P*451	ZELE	03-NOV-95	28-NOV-95	10000	11300			8.5
IN WATER BY	8310	AN A	MX5701X1	DV4W*167	ZESP	30-0CT-95	27-NOV-95	10000	11300			4.5
IN WATER BY	\$510	¥	MX5701X1	DV4W*167	ZPSP	30-0CT-95	27-NOV-95	10000	10800	_	•	4.5
IN WATER BY	SS10		WX5705XX	DV4W*204	ZPLP 1	13-SRP-95	03-0CT-95	10000	11000	_		6.
METALS IN WATER BY ICAP	8310	ğ	WX5705XX	DV4W*204	•	13-SBP-95	03-0CT-95	10000	10900	_	-	ø.
IN WATER BY	SS10	Ą	MXAX02X1	DV4W*233	ZPSF 3	31-0CT-95	27-NOV-95	10000	9970	_		7 7.3
Z	\$310	Z	MXAX02X1	DV4W*233	ZFSF 3	31-0CT-95	27-NOV-95	10000	9270	_		7 7.3
	8810	AN AN	MXZW10X3	DV4W*271	ZEVP (02-NOV-95	27-NOV-95	10000	10700	_	-	9.1
WATER BY	5510	NA	MXZW10X3		_	02-NOV-95	27-NOV-95	10000	9770	_		7 9.1
	8810	ă	MXAX08B1	DV4W*451	ZFTP (03-NOV-95	28-NOV-95	10000	11300	_		4.5
IN WAITER BY	. \$310	RA F	MXAX08B1	DV4W*451	ZPTP	03-NOV-95	28-NOV-95	10000	10800	29800 UGL	108.0	0 4.5

Chemical Quality Control Report Installation: Fort Devens, MA (DV) Group 4 Sites

Method Description	IRDMIS Method Code	Test Name	IREMIS Field Sample Number	Lab	Lot	Sample Date	Analysis Date	Spike Value	Value	v	Original Sample Value Unite	Percent Recovery	RPD
# # # # # # # # # # # # # # # # # # #		*******	\$ \$ \$ \$ 1 1		:								
		avg										107.4	
		minimum										92.7	
		maximum										123.0	
METALS IN WATER BY ICAP	3310	H	MX5701X1	DV4P*167	ZPSP	30-0CT-95	27-NOV-95	200	551	v	34.3 UGL	110.2	1.6
IN WATER BY	3310	¥	MX5701X1	DV4P*167	ZPSF	30-0CT-95	27-NOV-95	200	542	v	34.3 UGL	108.4	1.6
IN WATER BY	5310	IN	WX5705XX	DV4P*204	ZPLP	13-SBP-95	03-0CT-95	200	564	v	-	112.8	7
IN WATER BY	5310	IN	WX5705XX	DV4P*204	ZPLP	13-SBP-95	03-0CT-95	200	563	v		112.6	ij
	S310	IN	MXAX02X1	DV4F*233	4842	31-0CT-95	27-NOV-95	200	557	v	_	111.4	1.3
	3310	IN.	MXAX02X1	DV4P*233	ZPSP	31-0CT-95	27-NOV-95	200	550	v		110.0	1.3
IN WATER	2310	IN	MXZW10X3	DV4F*271	ZFVP	02-NOV-95	27-NOV-95	200	557	v		111.4	۲.
IN WATER BY	3310	IN	MXZW10X3	DV4F*271	ZEVP	02-NOV-95	27-NOV-95	200	553	v		110.6	.7
IN WATER BY	3310	IN	MXAX08B1	DV4P*451	ZPTP	03-NOV-95	28-NOV-95	200	585	v		117.0	.7
IN WATER BY	3310	Ä	MXAX08B1	DV4P*451	ZPTP	03-NOV-95	28-NOV-95	200	581	v		116.2	۲.
IN WATER BY	2810	IN	MX5701X1	DV4W*167	ZPSP	30-0CT-95	27-NOV-95	200	590	v		118.0	•.•
IN WATER BY	8310	IN	MX5701X1	DV4W*167	ZPSF	30-0CT-95	27-NOV-95	200	567	v		113.4	•••
IN WATER BY	8310	IN	WX5705XX	DV4W*204	4742	13-SRP-95	03-OCT-95	200	598	v		119.6	1.7
IN WATER BY	5310	N	WX5705XX	DV4W*204	ZPLP	13-SRP-95	03-OCT-95	200	588	v		117.6	1.7
IN WATER BY	3310	IN	MXAX02X1	DV4W*233	ZPSF	31-0CT-95	27-NOV-95	200	563	v		112.6	7.7
IN WATER BY	8810	¥	MXAX02X1	DV4W*233	ZPSP	31-0CT-95	27-NOV-95	200	551	v	34.3 UGL	110.2	2.2
IN WATER BY	2310	IN	MXZW10X3	DV4W*271	ZFVF	02-NOV-95	27-NOV-95	200	562	v		112.4	6.
IN WATER BY	5310	IN	MXZW10X3	DV4W*271	ZFVP	02-NOV-95	27-NOV-95	200	557	v	_	111.4	ø,
IN WATER BY	2310	IN	MXAX08B1	DV4W*451	ZPTF	03-NOV-95	28-NOV-95	200	572	v	-	114.4	₹.
Z	5310	보	MXAX08B1	DV4W*451	ZFTF	03-NOV-95	28-NOV-95	200	570	v	34.3 UGL	114.0	₹.
		*******									•		
		avg										113.2	
		minim										108.4	
•		mascimum										119.6	
METALS IN WATER BY ICAP	8810	Þ	MX5701X1	DV4F*167	ZPSP	30-0CT-95	27-NOV-95	200	514	v	11 UGL	102.8	1.4
TH WATER BY	8310	^	MX5701X1	DV4P*167		30-0CT-95	27-NOV-95	200	507	٧	11 UGL	101.4	1.4
IN WATER BY	8810	٨	WX5705XX	DV4F*204	ZPLP	13-SRP-95	03-OCT-95	200	517	v	11 UGL	103.4	1.4
IN WATER BY	8810	٥	WX5705XX	DV4P*204	ZFLF	13-SEP-95	03-OCT-95	200	510	v		102.0	1.4
IN WATER BY	5510	>	MXAX02X1	DV4F*233		31-0CT-95	27-NOV-95	200	510	v		102.0	1.2
METALS IN WATER BY ICAP	8810	>	MXAX02X1	DV4P*233		31-0CT-95	27-NOV-95	200	504	v	11 UGE	100.8	1.2
METALS IN WATER BY ICAP	3310	>	MXZW10X3	DV4P*271	ZFVP	02-NOV-95	27-NOV-95	200	493	v	11 031	9.86	1.2

Chemical Quality Control Report Installation: Fort Devens, MA (DV) Group 4 Sites

Method Description	IRDMIS Method Code	Test Name	IRDMIS Field Sample Number	Lab Number I	D is	Sample Date	Analysis Date	Spike Value	Value	. •	Original Sample Value Units	Percent Recovery	RPD
CAST OR COMMON WAS DESCRIBED			CAULMAAM		2002	02-NOV-95	27-NOV-95	200	487	;	11 DGL	97.4	1.2
ă	0100	> >	MXAXORR1		_	03 -NOV - 95	28-NOV-95	200	540	, v	11 UGL	108.0	7
IN WATER BY	3310	· >	MXAX08B1		-	03-NOV-95	28-NOV-95	200	529	v		105.8	2.1
IN WATER BY	5310	>	MX5701X1			30-0CI-95	27-NOV-95	200	534	v	11 031	106.8	3.4
IN WATER BY	5310	>	MX5701X1	DV4W*167 Z	ZPSF 3	30-0CT-95	27-NOV-95	200	516	v	11 035	103.2	3.4
	8310	^	WXS705XX	DV4W*204 2	ZPLP 13	13-SRP-95	03-OCT-95	200	534	v		106.8	₩.
METALS IN WATER BY ICAP	SS10	>	WX5705XX	DV4W*204 Z	ZFLP 1:	13-SRP-95	03-OCT-95	200	530	v		106.0	₩.
METALS IN WATER BY ICAP	5310		MXAX02X1	DV4W*233 Z	• •	31-0CT-95	27-NOV-95	200	509	v		101.8	1.0
METALS IN WATER BY ICAP	5310	>	MXAX02X1	DV4W*233 Z	ZPSF 33	31-0CT-95	27-NOV-95	200	504	v		100.8	1.0
IN WATER BY	2210	٥	MXZW10X3	DV4W*271 Z	ZEVP 03	02-NOV-95	27-NOV-95	200	205	v		101.0	1.0
METALS IN WATER BY ICAP	SS10	>	MXZW10X3	DV4W*271 Z	ZEVP 03	02-NOV-95	27-NOV-95	200	200	v	_	100.0	1.0
METALS IN WATER BY ICAP	8810	>	MXAX08B1	DV4W*451 2	ZFTP 0	33-NOV-95	28-NOV-95	200	526	v	11 035	105.2	2.3
METALS IN WATER BY ICAP	3310	>	MXAX08B1	DV4W*451 2	ZPTP 00	03-NOV-95	28-NOV-95	200	514	v	11 035	102.8	2.3

		avg										102.8	
		minimum										97.4	
		maximum										108.0	
METALS IN WATER BY ICAD	8310	N	MX5701X1	DV4P*167 ZPSF		30-0CT-95	27-NOV-95	200	518	v	21.1 UGL	103.6	1.0
IN WATER BY	5310	i X	MX5701X1	DV4F*167 Z	•	30-0CT-95	27-NOV-95	200	513		21.1 UGL	102.6	1.0
IN WATER BY	2310	ä	WX5705XX			13-SEP-95	03-OCT-95	200	508		58.4 UGL	101.6	€.
IN WATER BY	5310	N	WX5705XX	DV4F*204 Z	ZFLP 13	13-SRP-95	03-OCT-95	200	504		58.4 UGL	100.8	6 0.
METALS IN WATER BY ICAP	3310	ĸ	MXAX02X1	DV4F*233 Z	ZPSP 31	31-OCT-95	27-NOV-95	200	512	v		102.4	1.2
IN WATER BY	5310	Z	MXAX02X1	DV4F*233 Z	ZPSF 31	31-0CT-95	27-NOV-95	200	909	v	_	101.2	1.2
METALS IN WATER BY ICAP	SS10	ZN	MX ZW1 0X3	DV4F*271 Z		02-NOV-95	27-NOV-95	200	512	v		102.4	4
METALS IN WATER BY ICAP	8810	K	MXZW10X3	DV4P*271 Z	_	02-NOV-95	27-NOV-95	200	511	v.		102.2	7
METALS IN WATER BY ICAP	8310	K	MXAX08B1	DV4F*451 Z	_	03-NOV-95	28-NOV-95	200	545	v		109.0	2.4
METALS IN WATER BY ICAP	2310	Z	MXAX08B1	DV4P*451 Z	_	03-NOV-95	28-NOV-95	200	532	v		106.4	2.4
METALS IN WATER BY ICAP	2310	ZN	MX5701X1	DV4W*167 Z	ZPSF 3(30-0CT-95	27-NOV-95	200	524	v	_	104.8	3.3
METALS IN WATER BY ICAP	SS10	ZN	MX5701X1	DV4W*167 Z		30-OCT-95	27-NOV-95	200	507	v	_	101.4	3.3
METALS IN WATER BY ICAP	5310	ä	WX5705XX	DV4W*204 Z	ZPLP 13	13-SRP-95	03-OCT-95	200	527		_	105.4	9.
METALS IN WATER BY ICAP	5310	ZN	WX5705XX	DV4W*204 Z	ZPLP 13	13-SEP-95	03-OCT-95	200	524			104.8	9.
METALS IN WATER BY ICAP	SS10	ZN	MXAX02X1	DV4W*233 Z	ZPSF 31	31-0CT-95	27-NOV-95	200	511	v		102.2	1.4
METALS IN WATER BY ICAP	8810	Z	MXAX02X1	DV4W*233 Z		31-0CT-95	27-NOV-95	200	504	v	٠.	100.8	1.4
IN WATER BY	5310	S	MXZW10X3			02-NOV-95	27-NOV-95	200	519	v	_	103.8	1.6
METALS IN WATER BY ICAP	SS10	ĸ	MXZW10X3		_	02-NOV-95	27-NOV-95	200	511	v	_	102.2	1.6
METALS IN WATER BY ICAP	SS10	ZN	MXAX08B1	DV4W*451 Z	ZFTP 03	03-NOV-95	28-NOV-95	200	526	v	21.1 UGL	105.2	2.7

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Method Description	IRDMIS Wethod Code	Heat Name	IRDMIS Field Sample Number	Lab Number Lot	Sample Date	Analysis Date	Spike Value	Value <	Original Sample Value Unite	Percent Recovery	RPD
METALS IN WATER BY ICAP	8310	ZN	MXAX08B1	DV4W*451 ZPTP	03-NOV-95	28-NOV-95	200	512 <	21.1 UGL	102.4	2.7
		********							•	103.3	
		minimum								100.8 109.0	
NO CON TREE	TP22	NIT	MXAX01X1	DV4W*231 ZGUC	30-0CT-95	13-NOV-95	150	150	_	100.0	0.0
2	TF22	NIT	MXAX01X1	DV4W*231 ZGUC	30-0CT-95	13-NOV-95	150	150	_	100.0	0.0
NO3 IN	TF22	NIT	MXZW16X1	DV4W*283 ZGVC	01-NOV-95	21-NOV-95	150	150		100.0	0.0
NO3	TF22	NIT	MXZW16X1	DV4W*283 ZGVC		21-NOV-95	150	150		100.0	0.0
NO3 IN	TF22	NIT	WD5703XX	DV4W*432 ZGRC	•	03-0CI-95	150	150		100.0	0.0
NO3 IN	TF22	NIT	WD5703XX	DV4W*432 ZGRC		03-0CT-95	150	150		100.0	0.0
NO3	TP22	NIT	MXAX08A1	DV4W*449 ZGUC	31-0CT-95	13-NOV-95	150	160 <		106.7	0.0
S N	TP22	NIT	MXAXOBAL	DV4W*449 ZGUC	31-0CT-95	13-NOV-95	150	160 <	_	106.7	0.0
203	TP22	NIT	MXAX08B1	DV4W*451 ZGWC	03-NOV-95	28-NOV-95	150	150 <	10 UGL	100.0	6.9
Ş	TP22	NIT	MXAX08B1	DV4W*451 ZGWC	03-NOV-95	28-NOV-95	150	140 <	10 UGE	93.3	6.9
		********							•		
		avq								100.7	
		minimm								93.3	
		maximum								106.7	
OBLIGA NI TOLINGA	700	N2K.TRL	MX5701X1	DV4W*167 SHWA	30-0CT-95	22-NOV-95	4000	3900	210 UGL	97.5	0.0
WHEN IN WATER	TP26	NZKJRL	MX5701X1	DV4W*167 SHWA		22-NOV-95	4000	3900	210 UGL	97.5	0.0
	TROK	N2K.TRI.	WX5708XX			28-SBP-95	4000	3900	448 UGL	97.5	7.4
	TP26	NZKJEL	WX5708XX			28-SEP-95	4000	3620	448 USL	90.5	7.4
7	TP26	NZKJEL	MXAX02X1			22-NOV-95	4000	3900	390 UGF	97.5	2.3
	TP26	NZKJEL	MXAX02X1			22-NOV-95	000	3810		95.3	2.3
2	TF26	NZKJEL	MX ZW10X3	DV4W*271 SHXA		28-NOV-95	4000	3810	952 UGL	95.3	2.7
Z	TP26	NZKJBL	MXZW10X3	DV4W*271 SHXA	02-NOV-95	28-NOV-95	4000	3710	952 UGL	92.8	2.7

		avg								95.5	
•		minim								90.5	
		maximm								97.5	

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RPP	ન્નવલલલલ ૄં અંત્રાં⊣ં મંદ્રાં	10.9 10.9 0.0 77.3 7.3 0.0	00000000
Percent Recovery	105.0 100.0 95.0 92.8 120.0 117.5 110.0 107.5 106.0 92.8	116.0 104.0 116.0 116.0 116.0 116.0 116.0	104.0 104.0 104.0 104.0 104.0 104.0
Unite			
Original Sample Value	280 280 70 70 70 500 300	28500 28500 28500 28500 28500 446000 44000	10000 48000 48000 10000 13000 13000
V 1			v v
Value	420 400 380 371 480 470 470 430	29000 26000 29000 29000 57000 53000 29000	260000 260000 260000 260000 260000 260000 260000
Spike Value	4 4 4 4 4 4 4 4 4 4 0 0 0 0 0 0 0 0 0 0	25000 25000 25000 25000 50000 25000	250000 250000 250000 250000 250000 250000 250000
Analysis Date	21-NOV-95 21-NOV-95 25-38P-95 21-S8P-95 21-NOV-95 21-NOV-95 28-NOV-95 28-NOV-95	16-NOV-95 16-NOV-95 16-NOV-95 16-NOV-95 22-NOV-95 18-SBP-95 18-SBP-95	21-NOV-95 21-NOV-95 21-NOV-95 22-NOV-95 22-NOV-95 18-SRP-95 18-SRP-95
Sample Date	30-OCT-95 30-OCT-95 11-SRP-95 02-NOV-95 01-NOV-95 01-NOV-95	30-0CT-95 30-0CT-95 31-0CT-95 31-0CT-95 02-NOV-95 113-SRP-95	30-OCT-95 30-OCT-95 31-OCT-95 02-NOV-95 02-NOV-95 13-SRP-95
, S	77 WHPB 74 WHCB 74 WHCB 74 WHCB 71 WHPB 71 WHPB 73 WHHB 83 WHHB	57 PDJC 57 PDJC 13 PDJC 13 PDJC 71 PDKC 71 PDKC 71 PDKC 72 PDGC 12 PDGC	77 PDKC 77 PDKC 13 PDKC 13 PDKC 71 PDKC 71 PDKC 72 PDGC
Lab Number	DV4M*167 DV4M*167 DV4M*204 DV4M*271 DV4M*453 DV4M*453	DV4M*167 DV4M*167 DV4M*233 DV4M*271 DV4M*432 DV4M*432	DV4M*167 DV4M*233 DV4M*233 DV4M*271 DV4M*271 DV4M*371
IRCMIS Field Sample Number		MX5701X1 MX5701X1 MXX02X1 MX2M10X3 MX2M10X3 MX5703XX WD5703XX	MX5701X1 MX5701X1 MXXX02X1 MXXX02X1 MXZM10X3 MXZM10X3 WD5703XX **
Test Name	P04 P04 P04 P04 P04 P04 P09 P09 minimum	CC CC CC CC CC CC CC AAV WINIMAM	SO4 SO4 SO4 SO4 SO4 SO4 SO4 SO4 SO4 SO4
IRDMIS Method Code	1827 1827 1827 1827 1827 1827	0.177 0.177 0.177 0.177 0.177 0.177 0.177	7710 7710 7710 7710 7710 7710
Method Description	TOT. PO4 IN WATER TOT. PO4 IN WATER TOT. PO4 IN WATER TOT. PO4 IN WATER TOT. PO4 IN WATER TOT. PO4 IN WATER TOT. PO4 IN WATER TOT. PO4 IN WATER	SO4 IN WATER SO4 IN WATER SO4 IN WATER SO4 IN WATER SO4 IN WATER SO4 IN WATER SO4 IN WATER	SO4 IN WATER SO4 IN WATER SO4 IN WATER SO4 IN WATER SO4 IN WATER SO4 IN WATER SO4 IN WATER

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Field Sample Number
20-770-0c dada 121-02
SDSD
DV4W*204 SDOD 13-SBP-95
SDSD
SDSD
OL O
DV4W*271 SDID 02-NOV-95
DV4W*167 SDSD 30-OCT-95
DV4W*167 SDSD 30-OCT-95
DV4W*204 SDOD 13-SBP-95
DV4W*204 SDOD 13-SRP-95
DV4W*233 SDSD 31-OCT-95
DV4W*233 SDSD 31-OCT-95
DV4W*271 SDTD 02-NOV-95
DV4W*271 SDTD 02-NOV-95
20-100-00 Barn 131-01-01-01
1008
DV4W*167 TDBE 30-OCT-95
DV4W*204 TDWD 13-SEP-95
DV4W*204 TDWD 13-SRP-95
DV4W*233 TDBE 31-OCT-95
DV4W*233 TDBE 31-0CT-95

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UNITAL AMBRILDA REGREGOZ DYMAR-271 TICKE 02-NOY-95 14-NOY-95 14-NOY-	Method Description	IRDMIS Method Code	Test Name	IRDMIS Field Sample Number	_	Sample Date	Analysis Date	Spike Value	Value	v	Original Sample Value Unite	Percent Recovery	RPD
### minimum Microrix1 DV49+167 TDBB 30-OCT-95 14-NOV-95 15 1603 1 1016 1106	1	UH13	AENSLP				14-NOV-95 14-NOV-95	; ; ; ; ; ;	.224			44.8	6.5
MANCHOLIN MASCOLIN DV44W-167 TDBB 30-OCT-95 14-NDV-95 .5 .589 .6 .0918 UBL 110.6 .100.6 .100.6 .100.8		·	avg									82.5	
ALDRN MKS701X1 DV4W+167 TDBB 30-OCT-95 14-NDV-95 . 5 . 603 . 0918 UGL 120.6 . 117.8			maximum							٠		104.8	
ALDRN MX570XXI DV44W-167 TDBB 310-CGT-95 41-NAV-95 .5 .589 < 0.0318 UGL 100.2 100.2 ALDRN MX570SXX DV44W-204 TDMD 13-SBP-95 .5 .591 < 0.0318 UGL 119.6 ALDRN MXXXOXXI DV44W-204 TDMD 13-SBP-95 .5 .598 < 0.0318 UGL 119.6 ALDRN MXXXOXXI DV44W-204 TDMD 13-SBP-95 .5 .598 < 0.0318 UGL 119.6 ALDRN MXXXOXXI DV44W-204 TDMD 13-SBP-95 .5 .598 < 0.0318 UGL .19.6 ALDRN MXXXOXXI DV44W-271 TDCB 02-NAV-95 .5 .74 < 0.0318 UGL .49.0 .31 ALDRN MXXXOXXI DV44W-271 TDCB 02-NAV-95 .5 .74 < 0.0318 UGL .49.0 .31 ALDRN MX5701XI DV44W-271 TDCB 02-NAV-95 .5 .74 < 0.0318 UGL .49.0 .31 ALDRN MX5701XI DV44W-167 TDBB 30-CGT-95 .4-NAV-95 .5 .344 < 0.031 UGL .69.4 BRNSLR MX5705XX DV44W-204 TDMD 13-SBP-95 .5 .344 < 0.023 UGL .69.4 BRNSLR MX5705XX DV44W-204 TDMD 13-SBP-95 .5 .344 < 0.023 UGL .69.8 BRNSLR MX5705XX DV44W-204 TDMD 13-SBP-95 .5 .344 < 0.023 UGL .69.8 BRNSLR MX5705XX DV44W-204 TDMD 13-SBP-95 .5 .344 < 0.023 UGL .69.8 BRNSLR MX5705XX DV44W-204 TDMD 13-SBP-95 .5 .344 < 0.023 UGL .69.8 BRNSLR MX5705XX DV44W-204 TDMD 13-SBP-95 .5 .344 < 0.023 UGL .69.8 BRNSLR MX5705XX DV44W-271 TDCB 02-NOV-95 .4-NOV-95 .5 .344 < 0.023 UGL .69.8 BRNSLR MX5705XX DV44W-271 TDCB 02-NOV-95 .4-NOV-95 .5 .386 < 0.023 UGL .69.8 BRNSLR MX5705XX DV44W-271 TDCB 02-NOV-95 .4-NOV-95 .5 .386 < 0.023 UGL .69.8 BRNSLR MX5705XX DV44W-271 TDCB 02-NOV-95 .4-NOV-95 .5 .386 < 0.023 UGL .69.8 BRNSLR MX5705XX DV44W-271 TDCB 02-NOV-95 .4-NOV-95 .5 .386 < 0.023 UGL .69.8 BRNSLR MX5705XX DV44W-271 TDCB 02-NOV-95 .4-NOV-95 .5 .386 < 0.023 UGL .69.8 BRNSLR MX5705XX DV44W-271 TDCB 02-NOV-95 .4-NOV-95 .5 .40 < 0.024 UGL .69.8		UHI3	ALDRN	MX5701X1		30-0CT-95	14-NOV-95	rė.	.603	٧	-	120.6	2.3
ALDRN WCSC70SXX DV44*204 TDWD 13-S8P-95 5-88P-95 5-501 < 0.0918 USL 100.2 100.2 ALDRN WCSC70SXX DV44*204 TDWD 13-S8P-95 5-88P-95 5-505 < 0.0918 USL 119.0 ALDRN WCSC70SXX DV44*217 TDC3 02-NOY-95 14-NOY-95 5-555 < 0.0918 USL 119.0 ALDRN WCZA10XX DV44*271 TDC3 02-NOY-95 14-NOY-95 5-555 < 0.0918 USL 119.0 ALDRN WCZA10XX DV44*271 TDC3 02-NOY-95 14-NOY-95 5-55 < 0.0918 USL 119.0 ALDRN WCZA10XX DV44*271 TDC3 02-NOY-95 14-NOY-95 5-55 < 0.0918 USL 119.0 ALDRN WCZA10XX DV44*271 TDC3 02-NOY-95 14-NOY-95 5-54 < 0.0918 USL 14-NOY-95 ALDRN WCZA10XX DV44*271 TDC3 02-NOY-95 14-NOY-95 5-54 < 0.0918 USL 14-NOY-95 BRNSLE WCZ701XX DV44*204 TDWD 13-S8P-95 5-5 344 < 0.023 USL 68.1 BRNSLE WCZ701XX DV44*271 TDC3 02-NOY-95 14-NOY-95 5-5 344 < 0.023 USL 68.1 BRNSLE WCZ701XX DV44*271 TDC3 02-NOY-95 14-NOY-95 5-5 344 < 0.023 USL 66.1 BRNSLE WCZ701XX DV44*271 TDC3 02-NOY-95 14-NOY-95 5-5 344 < 0.023 USL 66.1 BRNSLE WCZ701XX DV44*271 TDC3 02-NOY-95 14-NOY-95 5-5 365 < 0.023 USL 66.1 BRNSLE WCZ701XX DV44*271 TDC3 02-NOY-95 14-NOY-95 5-5 365 < 0.023 USL 66.1 BRNSLE WCZ701XX DV44*271 TDC3 02-NOY-95 14-NOY-95 5-5 365 < 0.023 USL 66.1 BRNSLE WCZ701XX DV44*271 TDC3 02-NOY-95 14-NOY-95 5-5 365 < 0.023 USL 66.1 BRNSLE WCZ701XX DV44*271 TDC3 02-NOY-95 14-NOY-95 5-5 365 < 0.023 USL 66.1 ANDRE WCZ701XX DV44*271 TDC3 02-NOY-95 14-NOY-95 5-5 365 < 0.023 USL 02-1 02-1 ANDR WCZ701XX DV44*264 TDW3 13-S8P-95 5-5 365 < 0.023 USL 02-1 02-		· UH13	ALDRN	MX5701X1		30-0CI-95	14-NOV-95	ĸ.	. 589	v	_	117.8	2.3
ALDRN WASFOCKXX DY4W#204 TDWD 13-SER-95 5-6-SER-95 5-5-596 0-918 UGL 19-0 1-0CT 14-NOV-95 14-NOV-95 5-5-596 0-918 UGL 119-6 11		UH13	ALDRN	WX5705XX		13-SRP-95	26-SEP-95	ī.	.501	v		100.2	1.2
ALDRN WXX02XI DV4W#231 TDBB 31-OCT-95 14-NOV-95 .5 .598 < 0.0918 UGL 119.6		UH13	ALDRN	WX5705XX		13-SEP-95	26-SBP-95	ĸ.	.495	v		0.66	1.2
ALDRIN MXXXXXXX DV44#*233 TDB 31-OCT-95 14-NXV-95 .5 .595 . 0018 UGL . 130.0 . 131.0		UH13	ALDRIN	MXAX02X1		31-0CT-95	14-NOV-95	ĸ.	.598	v		119.6	κį
ALDRN MXZM1OX3 DV4W*271 TDCB 02-NOV-95 14-NOV-95 .5 .34 < .0918 USL 49.0 33. ************************************	-	UH13	ALDRIN	MXAX02X1		31-0CF-95	14-NOV-95	πį	. 595	v		119.0	S
######################################		UH13	ALDRN	MXZW10X3		02-NOV-95	14-NOV-95	rů.	.245	v		49.0	32.5
######################################		UHT3	ALDRN	MXZW10X3		02-NOV-95	14-NOV-95	'n	.34	v	_	68.0	32.5
# avg minimum maximum			*****										
maximum maximum maximum maximum BENSLE MX5701X1 DV4W+167 TDBB 30-OCT-95 14-NOV-95 .5 .347 < .023 UGL 69.4 BENSLE MX5701X1 DV4W+267 TDBB 30-OCT-95 14-NOV-95 .5 .344 < .023 UGL 68.8 BENSLE MX5701X1 DV4W+267 TDBB 30-OCT-95 14-NOV-95 .5 .344 < .023 UGL 77.2 68.8 BENSLE MX5701X1 DV4W+233 TDBB 31-OCT-95 14-NOV-95 .5 .346 < .023 UGL 77.2 68.8 BENSLE MXAX02X1 DV4W+233 TDBB 31-OCT-95 14-NOV-95 .5 .341 < .023 UGL 68.8 BENSLE MXAX02X1 DV4W+233 TDBB 31-OCT-95 14-NOV-95 .5 .334 < .023 UGL 68.8 BENSLE MXAX02X1 DV4W+271 TDCB 02-NOV-95 14-NOV-95 .5 .334 < .023 UGL 66.8 BENSLE MX2M10X3 DV4W+271 TDCB 02-NOV-95 14-NOV-95 .5 .388 < .023 UGL 67.7 avg maximum maximum maximum maximum maximum maximum maximum maximum maximum MX5701X1 DV4W+167 TDBB 30-OCT-95 14-NOV-95 .5 .438 < .024 UGL 68.8 DLDRN MX5701X1 DV4W+204 TDMD 13-SBP-95 26-SBP-95 .5 .386 < .024 UGL 69.4 DLDRN MX5705XX DV4W+204 TDMD 13-SBP-95 .5 .386 < .024 UGL 69.4 DLDRN MX5705XX DV4W+204 TDMD 13-SBP-95 .5 .386 < .024 UGL 69.7 .5 .586			avg		•							99.2	٠
BENSIE KKSTOLKI DV4W*167 TDBB 30-OCT-95 14-NOV-95 .5 .347 < .023 UGL 69.4			minimu									49.0	
BENSILE MXSTOLXI DV4W*167 TDBB 30-OCT-95 14-NOV-95 .5 .347 < .023 UGL 69.4 BENSILE MXSTOLXI DV4W*167 TDBB 30-OCT-95 14-NOV-95 .5 .344 < .023			maximum									120.6	
BENSILP MX5701X1 DV4W*167 TDBB 30-OCT-95 14-NOV-95 .5 .344 < .023 UGL 77.2 68.8 BENSILP WX5705XX DV4M*204 TDMD 13-SBP-95 26-SBP-95 .5 .386 < .023		UHT3	BENSLP	MX5701X1		30-0CT-95	14-NOV-95	ĸ.	.347	. v	_	69.4	٠.
BENSILP WX5705XX DV4W*204 TDWD 13-SBP-95 26-SBP-95 .5 .386 .023 UGL 77.2 6		UH1.3	BENSLF	MX5701X1		30-0CI-95	14-NOV-95	'n	.344	v	_	68.89	ø.
BENSIL WK5705XX DV4W*204 TDWD 13-SEP-95 26-SEP-95 .5 .363 < 0.023 UGL 72.6		UHT3	BENSLF	WX5705XX		13-SBP-95	26-SBP-95	'n	.386	v	_	77.2	6.1
BENSIL MXAXO2X1 DV4W*233 TDBB 31-OCT-95 14-NOV-95 .5 .341 < .023 UGL 66.8		UH13	BENSTL	WX5705XX		13-SRP-95	26-SRP-95	'n	.363	v		72.6	6.1
BENSIL MXZAKOZX1 DV4W#233 TDBE 31-OCT-95 14-NOV-95 .5 .334 .023 UGL 66.8		UH13	BENSLF	MXAX02X1		31-0CT-95	14-NOV-95	ĸ.	.341	v		68.2	2.1
BENSIL MXZM10X3 DV4W*271 TDCB 02-NOV-95 14-NDV-95 5 .308 < .023 UGL 61.6	-	UH13	BENSIL	MXAX02X1		31-0CT-95	14-NOV-95	πi	.334	v		8.99	2.1
BENSILF MXZM1OX3 DV4W*271 TDCB 02-NOV-95 14-NOV-95 .5 .285 < .023 UGL 57.0 ***********************************		UH13	BENSLF	MXZW10X3		02-NOV-95	14-NOV-95	rů.	308	v		61.6	7.8
######################################		UHT3	BENSLF	MXZW10X3		02-NOV-95	14-NOV-95	ĸ.	.285	v		. 57.0	7.8
avy minimum maximum maximum maximum maximum maximum maximum miximum maximum miximum mi			*******	•									
minimum maximum maximum maximum maximum maximum miximum		avg.									67.7		
maximum 77.2 DLDRN MX5701X1 DV4W*167 TDBB 30-OCT-95 14-NOV-95 .5 .434 .024 UGL 87.6 DLDRN MX5701X1 DV4W*167 TDBB 30-OCT-95 14-NOV-95 .5 .434 .024 UGL 86.8 DLDRN WX5705XX DV4W*204 TDMD 13-SBP-95 26-SBP-95 .5 .386 .024 UGL 77.2 5			minimum			-						57.0	
DIDRN MXSTO1X1 DV4W+167 TDBB 30-OCT-95 14-NOV-95 .5 .434 .024 UGL 87.6 DIDRN MXST01X1 DV4W+167 TDBB 30-OCT-95 14-NOV-95 .5 .434 .024 UGL 86.8 DIDRN WXST05XX DV4W+204 TDWD 13-SBP-95 .5 .5 .386 .024 UGL 77.2 5			maximum									77.2	
DLDRN MXS701X1 DV4M*167 TDBB 30-OCT-95 14-NOV-95 .5 .434 < .024 UGL 86.8 DLDRN WXS705XX DV4M*204 TDMD 13-SRP-95 26-SRP-95 .5 .406 .024 UGL 81.2 5 DLDRN WXS705XX DV4M*204 TDMD 13-SRP-95 26-SRP-95 .5 .386 .024 UGL 77.2 5		UH13	DLDRN	MX5701X1	DV4W*167 TDBE	30-0CT-95	14-NOV-95	ı,	.438	v	_	87.6	σ,
DLDRN WX5705XX DY4M*204 TDWD 13-SRP-95 26-SRP-95 .5 .406 < .024 UGL 81.2 5 DLDRN WX5705XX DY4M*204 TDWD 13-SRP-95 26-SRP-95 .386 < .024 UGL 77.2 5		UHT3	DLDRN	MX5701X1	DV4W*167 TDBB	30-0CI-95	14-NOV-95	ιú	.434	v	-	86.8	٥.
DLDRN WX5705XX LV4W*204 TOWD 13-SRP-95 26-SRP-95 .5 .386 < .024 U3L 77.2		UHT3	DIDRN	WX5705XX		13-SRP-95	26-SBP-95	LO.	.406	v	-	81.2	5.1
		UHT3	DLDRN	WX5705XX		13-SBP-95	26-SBP-95	'n	386		_	77.2	1.5

Chemical Quality Control Report Installation: Fort Devens, MA (DV) Group 4 Sites

78 0	5.3	5.3	4.7	4.7				•	'n	r.	6.4	4.9	2.7	2.7	6.8	8.9					1.2	1.2	1.5	1.5	9.	9.	10.3	10.3					1.0
Percent Recovery	92.4	87.6	70.6	74.0	1 - 1 - 1	82.3	70.6	92.4	85.4	85.0	9.96	90.6	91.4	89.0	8.09	55.6		81.8	92.6	96.6	118.2	116.8	97.0	95.6	123.6	122.8	65.2	58.8		99.8	58.8		103.0
	t ner	TEO T	4 UGL	4 UGL	•				a UGE	B UGE	_	B UGL	B UGL	B UGIL		B UGL	•				3 031	3 UGL	_	3 UGL	3 UGE		-	3 UGE	•			٠	2 UGL
Original Sample Value	.024	.024	.024	.024					.0238	.0238	.0238	.0238	.0238	.0238	.0238	.0238					.0423	.0423	.0423	.0423	.0423	.0423	.0423	.0423					.0562
	. v !	٧	٧	٧					٧	٧	٧	٧	٧	٧	٧	٧					٧	٧	v	٧	٧	v	٧	v					v v
Value	.462	.438	.353	.37					.427	.425	.483	.453	.457	.445	.304	.278					.591	.584	.485	.478	.618	.614	.326	.294					1.03
Spike Value	s.	'n.	s.	15.					ĸ.	ĸ.	ĸ.	ĸ.	r.	S.	ĸ.	rů.					ĸ.	ŗί	ĸ.	'n	s.	ĸ.	'n	'n					ਜ ਜ
Analysis Date	14-NOV-95	14-NOV-95	14-NOV-95	14-NOV-95		•			14-NOV-95	14-NOV-95	26-SEP-95	26-SBP-95	14-NOV-95	14-NOV-95	14-NOV-95	14-NOV-95				-	14-NOV-95	14-NOV-95	26-SBP-95	26-SEP-95	14-NOV-95	14-NOV-95	14-NOV-95	14-NOV-95					14-NOV-95 14-NOV-95
Sample Date	31-0CT-95	31-0CT-95	02-NOV-95	02-NOV-95					30-0CI-95	30-0CT-95	13-SEP-95	13-SRP-95	31-0CT-95	31-0CT-95	02-NOV-95	02-NOV-95					30-0CT-95	30-0CT-95	13-SEP-95	13-SBP-95	31-0CI-95	31-0CT-95	02-NOV-95	02-NOV-95					30-0CT-95 30-0CT-95
Set	TOBE	TOBE	E CE	TOCE					TOBE	TOBE	OMOL C	TOWOT	TOBE	TOBE	19CB	10CB					TOBE	TOBB	OMOL	OWO:	TOBE	TOBR	190	13 13					TOBE
Lab Number	DV4W*233	DV4W*233	DV4W*271	DV4W*271					DV4W*167	DV4W*167	DV4W*204	DV4W*204	DV4W*233	DV4W*233	DV4W*271	DV4W*271					DV4W*167	DV4W*167	DV4W*204	DV4W*204	DV4W*233	DV4W*233	DV4W*271	DV4W*271					DV4W*167 TDBB DV4W*167 TDBB
IRDMIS Field Sample Number	MXAX02X1	MXAX02X1	MX ZW10X3	MXZW10X3	•				MX5701X1	MX5701X1	WX5705XX	WX5705XX	MXAX02X1	MXAX02X1	MXZW10X3	MXZW1 0X3	*				MX5701X1	MX5701X1	WX5705XX	WX5705XX	MXAX02X1	MXAX02X1	MXZW10X3	MXZW10X3					MX5701X1 MX5701X1
Test	DLDRN	DLDRN	DLDRN	DLDRN	****	avg	minimm	maximum	BNDRN	RNDRN	RNDRN	KNDKN	ENDRN	KNDRN	RNDRN	KNDKN	*******	gv#	minim	maximum	HPCL	HPCL	HPCL	HPCL	HPCL	HPCL	HPCL	HPCL	****	avg.	maximum		ISODR
IRDMIS Method Code	UH13	UHIT3	UH13	UH13					UH13	UH13	UHT3	UH13	UH13	UH13	UH13	UH13					UH13	UH13	UH13	UH13	UHT3	UH13	UH13	UH13					UH13
Method Description	6 6 7 9 9 3 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9																																

Chemical Quality Control Report Installation: Fort Devens, MA (DV) Group 4 Sites

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Method Description

RPD	:	ָּיִי	Ų.	0.0	0.0	7.3	7.3					ij	7	4.7	4.7	3.1	3.1	15.3	15.3					11.6	11.6	S	5.5	2.9	9.0	34.3	34.3				
Percent Recovery		. ca	85.3	103.0	103.0	39.6	36.8		82.3	36.8	103.0	95.4	95.2	83.6	79.8	98.8	92.8	49.2	42.2	1 6 6	o.08	42.2	98.8	106.0	94.4	78.2	74.0	105.0	102.0	97.6	69.0		8°06	69.0	106.0
Unite		ng:	ng.	Œ	UGE	gr	UGI	•				ngr.	TE C	ner	ner.	UGL	ŒĽ	OG!	ner					UGE	ner n	UGI	UGI	ngr	TĐ)	ngr	ngr				
Original Sample Value		.0562	.0562	.0562	.0562	.0562	.0562					.0507	.0507	.0507	.0507	.0507	.0507	.0507	.0507					.057	.057	.057	.057	.057	.057	.057	.057.				
v	;	v	v	v	٧	٧	v					v	v	v	v	٧	v	v	v					v	v	v	٧	v	٧	٧	v				
Value		.857	. 853	1.03	1.03	,396	.368					.477	.476	.418	.399	.494	.479	.246	.211					1.06	.944	.782	.74	1.05	1.02	.976,	.69				
Spike Value		-	1	H	н	7	-1					'n.	s.	ĸ.	ហ	٠.	rū.	15,	ιν					н	еł	7	-	-	-	7					
Analysis Date		26-SBP-95	26~SBP-95	14-NOV-95	14-NOV-95	14~NOV-95	14-NOV-95					14-NOV-95	14-NOV-95	26-SBP-95	26-SBP-95	14-NOV-95	14-NOV-95	14-NOV-95	14-NOV-95					14-NOV-95	14-NOV-95	26-SBP-95	26-SBP-95	14-NOV-95	14-NOV-95	14-NOV-95	14-NOV-95				
Sample Date		13-SRP-95	13-SEP-95	31-0CT-95	31-0CT-95	02-NOV-95	02-NOV-95					30-0CT-95	30-0CT-95	13-SRP-95	13-SRP-95	11-00-15	31-0CT-95	02-NOV-95	02-NOV-95				·	30-021-95	30-0CT-95	12-SRP-95	13-SRP-95	31-0CT-95	11-0CT-95	02-NOV-95	02-NOV-95				
Zot		OMO!	E G	TDBR								TORR												THUE TO											
Lab		DV4W*204	DV4W*204	DV4W*233	DV4W*233	TV4W#271	DVAW*271	:				TW4W*167	TW4W#167	TX74W#204	TOTAMPOOT	TW/4W#223	PUZEW#233	TIVAW*271	DV4W*271					73.1407.17.7	DUAW*167	TWAW#204	TW4W#204	TV4W#233	EEC***********************************	TV4W#271	DV4W*271				
IRDMIS Field Sample Number		WX5705XX	WX5705XX	MXAX02X1	MY BYO2 X1	WY 7W1 OX3	WYZWIOXA	-				WYEZOTYT	MYE701Y1	Wenchery.	WAS CASES	MAS/ USAN	WAYOUT	MYZWIOX3	MXZW10X3	•				WE20171	WYE701X1	WYE TO E YY	WAS / USAN	WY AYO Y'1	WANTON	MY ZW1 OY3	MXZW10X3				
Teat met		ISODE	TACOR	TAODE	1001	Tagger	Tagon P	TOOR		g vag	minimum	21.	N I	N T I	211		NTS.	LIN	LTM	*******		10 A	maximum	0 10 20 20 20 20 20 20 20 20 20 20 20 20 20	MENCHA	The state of the s	MEACLER	A PACE		MENCLER	MEXCLE	******	200	e inim	maximum
IRDMIS		UH13	11113	1613			CHIS	ctuo					OHIS	CHI	UH13	CHIS	CHILD CHILD	CHIS	5151	110					Curr	CHIS	CHIS	CHIS	CHIS	CHITS		CHIO			

Chemical Quality Control Report Installation: Fort Devens, MA (DV) Group 4 Sites

RPD	
Percent Recovery	110.6 107.0 107.0 79.4 117.0 115.2 61.6 76.0
original Sample Value Units	.034 UGL .034 UGL .034 UGL .034 UGL .034 UGL .034 UGL
Value	. 553 . 436 . 436 . 397 . 576 . 308 . 38
Spike Value	ທ່ ໜ່ ໜ່ ໜ່ ໜ່ ໜ່
Analysis Date	14-NOV-95 14-NOV-95 26-SRP-95 26-SRP-95 14-NOV-95 14-NOV-95 14-NOV-95
	30-0CT-95 30-0CT-95 13-SBP-95 13-SBP-95 31-0CT-95 02-NOV-95
	DV4W*167 TDBB DV4W*167 TDBB DV4W*204 TDWD DV4W*239 TDBB DV4W*271 TDCB DV4W*271 TDCB
IRDMIS Pield Sample Number	MX5701X1 WX5701X1 WX5705XX WX5705XX WX5705XX MXXX02X1 WXXX02X1 MXXX02X1 MXXX10X3 MXXX10X3
Test	PEDDT PEDDT
IRDMIS Method Code	0413 0413 0413 0413 0413 0413
Method Description	

TABLE D-11

Chemical Quality Control Report Installation: Fort Devens, MA (DV) Group 4 Sites

	MXG302X2 D MXG302X2 D MXG302X2 D MXAX03X2 D MXAX03X2 D MXAX03X2 D MXSA12X4 D MXS712X4 D MXS712X4 D MXS701X2 D MXS701X2 D MXS701X2 D MXS712X4 D MXS712X4 D MXS712X4 D MXS712X4 D MXS712X4 D MXS712X4 D	DV4M*164 PVAZ DV4M*164 PVAZ DV4M*236 PVBZ DV4M*236 PVBZ DV4M*236 PVBZ DV4M*276 PVZ DV4M*276 PVZ DV4M*462 PVZ DV4M*462 PVZ DV4M*168 PVBZ DV4M*168 PVBZ DV4M*168 PVBZ	12-FBB-96 12-FBB-96 14-FBB-96 14-FBB-96 14-FBB-96 13-FBB-96 13-FBB-96 13-FBB-96 15-FBB-96	19-FBB-96 19-FBB-96 26-FBB-96 28-FBB-96 28-FBB-96 19-FBB-96 29-FBB-96 29-FBB-96 29-FBB-96 29-FBB-96 29-FBB-96	40000 40000 200000 133000 133000 40000 80000 80000	40800 39600 202000 200000 30700 40400 78400 78400	30400 U 30400 U 76700 U 76700 U 76700 U 76700 U 58000 U 51200 U		102.0 99.0 100.0 100.0 23.1 17.1 101.0 98.0 98.0 98.0 98.0	200 200 200 200 200 200 200 200
inum			14-FEB-96 14-FEB-96 14-FEB-96 13-FEB-96 13-FEB-96 13-FEB-96 15-FEB-96	26-FRB-96 28-FRB-96 28-FRB-96 19-FRB-96 19-FRB-96 29-FRB-96 29-FRB-96 29-FRB-96	200000 200000 133000 133000 40000 80000 80000	202000 200000 30700 22700 40400 39600 78400 78400			101.0 100.0 23.1 17.1 101.0 98.0 98.0 98.0 83.8 17.1	139 52 139 52 2 2 2 2 0 0 0 0 0 0 0 0 0 0 0 0 0 0
			14-PRB-96 14-PRB-96 13-PRB-96 13-PRB-96 13-PRB-96 15-PRB-96	26 FRB - 96 28 FRB - 96 28 FRB - 96 29 FRB - 96 29 FRB - 96 29 FRB - 96 29 FRB - 96 29 FRB - 96 29 FRB - 96 29 FRB - 96	200000 133000 133000 40000 40000 80000 80000	200000 30700 22700 40400 39600 78400 78400			23.1 17.1 17.1 101.0 99.0 98.0 98.0 83.8 17.1	139.2 139.2 139.2 2.0 2.0 .0
inumi			14.PBB-96 13.PBB-96 13.PBB-96 15.PBB-96 15.PBB-96	28 - FRB - 96 28 - FRB - 96 19 - FRB - 96 29 - FRB - 96 29 - FRB - 96 29 - FRB - 96 29 - FRB - 96	133000 133000 40000 80000 80000	30700 22700 40400 39600 78400 78400			23.1 17.1 101.0 99.0 98.0 98.0 17.1	139.2 139.2 2.0 2.0 2.0 0.0
imum imum			13-PEB-96 13-PEB-96 13-PEB-96 15-PEB-96 15-PEB-96	28 - FRB - 96 19 - FRB - 96 29 - FRB - 96 29 - FRB - 96 29 - FRB - 96 19 - FRB - 96	133000 40000 40000 80000 80000	22700 40400 39600 78400 78400 117000			17.1 101.0 99.0 98.0 98.0 83.8 17.1	139.2 2.0 2.0 .0
inum			13-PEB-96 13-PEB-96 15-PEB-96 15-PEB-96	19-FRB-96 19-FRB-96 29-FRB-96 29-FRB-96 19-FRB-96	40000 40000 80000	40400 39600 78400 78400 117000			101.0 99.0 98.0 98.0 83.8 17.1	0000
Lanum Lanum Lanum			13-FEB-96 15-FEB-96 15-FEB-96	19-FKB-96 29-FKB-96 29-FKB-96 19-FKB-96	40000 80000 80000	39600 78400 78400 117000			99.0 98.0 98.0 83.8 17.1	
Limum Limum Limum			15-PEB-96 15-PEB-96	29-FRB-96 29-FRB-96 19-FRB-96	80000 80000 90000	78400 78400 78400 78400 78400			98.0 98.0 83.8 17.1	•••
imum imum			15-PEB-96	29 - PRB - 96	00008	78400		i i	98.0 83.8 17.1	o.
imum				19-PKB-96		117000		į	83.8 17.1 102.0	
imum				19-PKB-96		117000			83.8 17.1 102.0	
inum inum				19-PKB-96		117000			17.1 102.0	
inum I				19-PKB-96		117000			102.0	
				19-PKB-96		117000				
				19-PRB-96		117000				
			13-FEB-96		117000		5000 U	UGE	100.0	5.6
			13-FEB-96	19-FEB-96	117000	114000	5000 U	TSO	97.4	5.6
			13-FKB-96	20-FEB-96	118000	117000	27000 U	UGT	99.2	1.7
			13-PEB-96	20-FEB-96	118000	115000		ner	97.5	1.7
			13-PEB-96	20-FEB-96	118000	116000	0009	UGE	98.3	6.
_	_	DV4W*455 PJDY	13-PEB-96	20-FEB-96	118000	115000	6000 UK	UST	97.5	6.
		-						;		
									E 86	
mriitmeni .									97.4	
THE CANADA	-								100.0	
_			12-PEB-96	11-MAR-96	4200	4110 <	181 U	īg,	97.9	8 4
_		DV4W*164 PJJZ	12-FKB-96	11-MAR-96	4200	3780 <	181	CCL	90.0	4.
_			14-PEB-96	11-MAR-96	4200	3900 <	175	UGL	92.9	4
_			14-PEB-96	11-MAR-96	4200	3740 <	175	UGI	89.0	4.2
_			13-PEB-96	11-MAR-96	4200	3870 <	175	CCL	92.1	1.0
TPHC	KZW12X4 D	DV4W*276 PJJZ	13-PBB-96	11-MAR-96	4200	3830 <	175	ng.	91.2	1.0
								:		
a seve	•								92.2	
									89.0	

Chemical Quality Control Report Installation: Fort Devens, MA (DV) Group 4 Sites

nt ry RPD	97.9	96.8	94.5 2.4									-			94.0 1.8		95.1	.	ĸ.						6.5								
Percent Recovery	97.9	9	76	100.3	100.3	95	95	16	91	95	95	6	91	9 6	* *		95	91.8	100,3	9	102.0	89.5	82.9	87.3	82.9	105.0	104.0	87.3	86.2	82.9	81.8	87.3	85.1
Original Sample Value Unite	1	.243 USL	_	_	_	_	_				.243 UGL			_	_					6.99 1151.		_	_	_	_	_	_		6.99 UGL		_	750 66.9	6.99 UGL
Value <	 	3.87 <	3.78 <	4.01 <	4.01 <	3.81 <	3.81 <	3.67 <	3.67 <	3.83 <	3.81 <	3.74 <	3.67 <	3.83 <	3.76 <					9.83	10.2	8.95 <	8.29 <	8.73 <	8.29 <	10.5 <	10.4 <	8.73 <	8.62 <	8.29 <	8.18 <	8.73 <	8.51 <
Spike Value		•	•	•	•	•	~	•	~	*	•	•	4	4	4					10	10	10	10	10	10	10	10	10	10	10	10	10	10
Analysis Date		11-MAR-96	11-MAR-96	12-MAR-96	12-MAR-96	11-MAR-96	11-MAR-96	11-MAR-96	11-MAR-96	12-MAR-96	12-MAR-96	11-MAR-96	11-MAR-96	13-MAR-96	13-MAR-96					19-MAR-96	19-MAR-96	20-MAR-96	20-MAR-96	19-MAR-96	19-MAR-96	19-MAR-96	19-MAR-96	20-MAR-96	20-MAR-96	19-MAR-96	19-MAR-96	20-MAR-96	20-MAR-96
Sample Date		12-FEB-96	12-PEB-96	14-PEB-96	14-PEB-96	13-PEB-96	13-PEB-96	12-FEB-96	12-PEB-96	14-PEB-96	14-PEB-96	13-PKB-96	13-PEB-96	14-PEB-96	14-PEB-96					12-PEB-96	12-PEB-96	14-PEB-96	14-PBB-96	13-FEB-96	13-PKB-96	12-PEB-96	12-FKB-96	14-PKB-96	14-PEB-96	13-PEB-96	13-PKB-96	14-PEB-96	14-PEB-96
S		54 QVQD	54 QVQD		Se ourd				54 SZQD		9 ORD	76 gago	76 QVQD	6 QUSD	96 QJSD					4 UCKB	4 UCKB	6 UCYB	6 UCYB		6 UCXB			6 UCYB				0 UCZB	0 0028
Lab Number		DV4P*164	DV4P*164	DV4P*236	DV4P*236	DV4P*276	DV4P*276	DV4W*164	DV4W*164	DV4W*236	DV4W*236	DV4W*276	DV4W*276	DV4W*456	DV4W*456					DV4P*164	DV4F*164	DV4P*236	DV4P*236	DV4P*276	DV4P*276	DV4W*164	DV4W*164	DV4W*236	DV4W*236	DV4W*276	DV4W*276	DV4W*460	DV4W*460
IRDMIS Field Sample Number	s	MXG3 02X2	MXG3 02X2	MXAX03X2	MXAX03X2	MXZW12X4	MXZW12X4	MXG302X2	MXG3 02X2	MXAX03X2	MXAX03X2	MXZW12X4	MXZW12X4	MDZW11X4	MDZW11X4	***			_	MXG302X2	MXG3 02X2	MXAX03X2	MXAX03X2	MXZW12X4	MXZW12X4	MXG302X2	MXG3 02X2	MXAX03X2	MXAX03X2	MXZW12X4	MXZW12X4	MXAX08A2	MXAX08A2
Test	maximum	HG	HG	£	Ħ	윘	Đ	윞	¥	웊	H	HG	HG	옆	뱦	*******	avg	minimum	maximum	Ħ	Ę	Ħ	Ę	岸	Ę	Ħ	Ę	Ħ	Ħ	Ħ	Ħ I	Ħ.	į
IRDMIS Method Code		SB01	SB01	SB01					8D09	SD09	8D09	SD09	8D09	8D09	SD09	SD09	8008	SD09	SD09	SD09	600S	SDOS											
Method Description		IN WATER BY	IN WATER BY	IN WATER BY	IN WATER BY	IN WATER BY	IN WATER BY	IN WATER BY	IN WATER BY	IN WATER BY	IN WATER BY	IN WATER BY	IN WAITER BY	IN WATER BY	HG IN WATER BY CVAA					IL IN WAIER BY GPAA	IN WATER BY	IN WATER BY	IN WATER BY	IN WATER BY	IN WATER BY	WATER BY	IN WATER BY	IN WATER BY	IN WATER BY	IN WATER BY	WATER BY	IN WALKE BY	TL IN WAIRK BY GPAR

Chemical Quality Control Report Installation: Fort Devens, MA (DV) Group 4 Sites

Method Description	IRDMIS Method Code	Test	IRDMIS Field Sample Number	Lab Number L	Lot To sa	Sample Date	Analysis Date	Spike Value	Value <	Original Sample Value Units	ц.	Percent Recovery	RPD
		**************************************	*		! !		; ; ; ; ; ; ; ; ; ; ; ;	1	1 1 1 1 1 1 4 4 4	: : : : : : : : :		90.2	
		minimum										81.8	
		maximum										105.0	
IN WATER BY	SD20	88	MXG302X2		WCJG 12	12-PEB-96	20-MAR-96	40	21.5 <	1.26 00	JGI	53 .8	9.1
IN WATER BY	SD20	PB	MXG302X2	DV4F*164 W	WCJG 1	12-PEB-96	20-MAR-96	•	21.1	_	UGE	52.8	1.9
WAITER BY	SD20	PB	WXAX03X2		•	14-PEB-96	21-MAR-96	0#	42.2 <	_	UGE	105.5	
IN WATER BY	SD20	PB	MXAX03X2			14-FEB-96	21-MAR-96	0#	41.9 <	1.26 UC	DGE	104.8	.7
IN WATER BY	SD20	PB	MXZW12X4		•	13-PKB-96	20-MAR-96	9	38.9 <	1.26 UC	73	97.3	ų
IN WATER BY	SD20	品	MXZW12X4			13-FEB-96	20-MAR-96	0	38.8	_	7	97.0	e.
WATER BY	SD20	28	MXG302X2			12-FKB-96	20-MAR-96	9	22.1 <	1.26 UC	UGL	55.3	1.4
IN WATER BY	SD20	PB	MXG302X2			12-PEB-96	20-MAR-96	9	21.8 <	1.26 UGL		54.5	1.4
IN WATER BY	SD20	23	MXAX03X2	DV4W*236 W		14-FEB-96	21-MAR-96	9	43.7 <	-	7	109.3	5.0
IN WATER BY	SD20	28	MXAX03X2	DV4W*236 W	WCKG 14	14-PEB-96	21-MAR-96	0#	45 <	_	1	112.5	2.9
IN WATER BY	SD20	88	MXZW12X4	DV4W*276 W	WCJG 13	13-PEB-96	20-MAR-96	9	40.3 <		ä	100.8	
IN WATER BY	SD20	器	MXZW12X4		WCJG 12	L3-PRB-96	20-MAR-96	40	40.2 <	-	,	100.5	
IN WATER BY	SD20	13	MXAX08A2	DV4W*460 W	WCLG 14	14-FEB-96	21-MAR-96	40	43.7 <	1.26 UGL	ij	109.3	~
PB IN WATER BY GFAA	SD20	28	MXAX08A2	DV4W*460 W	WCLG 14	14-FKB-96	21-MAR-96	•	43.6 <	1.26 UGL		109.0	7
		****	*								1		
		avg										1.06	
		minimim m										52.8	
		maximum										112.5	
SE IN WATER BY GPAA	SD21	BS	MXG302X2	DV4P*164 XCBG		12-PKB-96	10 - Marie 10 - 01	3.75	7	200 1	ن ا	ć	
	SD21	SB	MXG302X2	DV4F*164 X		12-PEB-96	19-MAR-96	37.5	13.2	_		35.0	7
SE IN WATER BY GPAA	SD21	SB	MXAX03X2	DV4P*236 X(XCCG 14	14-PEB-96	21-MAR-96	37.5	30.7 <	_	يا ا	6	
SE IN WATER BY GFAA	SD21	SB	MIXAX03X2	DV4P*236 X	XCCG 14	14-PEB-96	21-MAR-96	37.5	29.8	_	ב, ו	79.5	
IN WATER	SD21	SR	MXZW12X4	DV4F*276 X(XCBG 13	13-PEB-96	19-MAR-96	37.5	32.8	_		27.5	
IN WATER BY	SD21	88	MXZW12X4	DV4P*276 XC	XCBG 13	13-FEB-96	19-MAR-96	37.5	31		1.1	R2.7	
IN WATER BY	SD21	SB	MXG302X2	DV4W*164 XC	XCBG 12	12-FKB-96	19-MAR-96	37.5	20.1 <			53.6	
IN WATER BY	SD21	SR	MXG302X2	DV4W*164 XC		12-FRB-96	19-MAR-96	37.5	19 <		ı	50.7	9.
IN WATER BY	SD21	SB	MXAX03X2	DV4W*236 XCCG	• •	14-PEB-96	21-MAR-96	37.5	34.1 <			6.06	4.6
IN WATER BY	SD21	SB	MXAX03X2	DV4W*236 XCCG	•	14-PEB-96	21-MAR-96	37.5	32.3 <	-	ı	86.1	4.5
SE IN WATER BY GFAA	SD21	SE	MXZW12X4	DV4W*276 XCBG		13-PRB-96	19-MAR-96	37.5	35.5	_	ı	94.7	'n.

Chemical Quality Control Report Installation: Fort Devens, MA (DV) Group 4 Sites

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Percent Recovery RPD	94.4	74.8 35.2 94.7 82.9
Original Sample Value Units	3.02 UGL 3.02 UGL 3.02 UGL	2.54 USE
Value <	32.4 <	31.1
Spike Value	37.5 37.5 37.5	37.5
Analysis Date	19-MAR-96 21-MAR-96 21-MAR-96	24-MAR-96
	3 14-PEB-96	3 12-PBB-96
	DV4W*276 XCBG DV4W*460 XCDG DV4W*460 XCDG	DV4P*164 YCPG
IRDMIS Field Sample Number	MXZM12X4 MXAX08A2 MXAX08A2	.m. .m. MXG302X2
CS Test	SB SB SB SB SB	avg minimum maximum AS
IRDMIS Method Code	SD21 SD21 SD21	SD22
Method Description	SE IN WATER BY GFAA SE IN WATER BY GFAA SE IN WATER BY GFAA	AS IN WATER BY GFAA

Chemical Quality Control Report Installation: Fort Devens, MA (DV) Group 4 Sites

RPD	3.7	3.7	2.7	2.7	3.8	3.8					1.2	1.2	7	7	8.7	8.7	3.9	3.9	3.2	3.2	1.0	1.0	5.6	2.6					-	-				. 4
Percent Recovery	78.4	75.5	75.3	73.3	77.8	74.9		70.1	39.5	93.5	97.4	96.2	97.4	97.2	100.8	92.4	104.2	100.2	101.4	98.2	101.6	100.6	102.4	8.66		. 99.3	92.4	104.2	0.56	92.0	1001	3.00	. 46	92.0
Original Sample Value Units				•		3.03 UGL	•				4.6 UGL	4.6 USL	4.6 UGL	,				141 131	_		_		_											
V Q	. v	v ·	v	v	v	v					v	٧	v	٧	٧	v	v	٧	٧	.v	٧	٧	٧	v					٧	٧	٧	v		v
Value	62.7	4.00	200.7	9.85	62.2	59.9					48.7	48.1	48.7	48.6	50.4	46.2	52.1	50.1	50.7	49.1	50.8	50.3	51.2	49.9					1860	1840	2000	1990	1920	1840
Spike Value	08	2 6	2 6	D (80	08					20	20	20	20	20	50	20	20	20	20	20	20	50	20					2000	2000	2000	2000	2000	2000
Analysis Date	14-MAR-96	DE-MAN-CL	TO DAME CE	L3-FARK-96	21-MAR-96	21-MAR-96					08-MAR-96	08-MAR-96	08-MAR-96	08-MAR-96	08-MAR-96	08-MAR-96	08-MAR-96	08-MAR-96	08-MAR-96	08-MAR-96	08-MAR-96	08-MAR-96	12-MAR-96	12-MAR-96					08-MAR-96	08-MAR-96	08-MAR-96	08-MAR-96	08-MAR-96	08-MAR-96
Sample	14-PBB-96	13-PPR-96	13-000-06	13-FAD-90	14-FBB-96	14-FEB-96		•			12-PEB-96	12-PKB-96	14-FEB-96	14-FEB-96	13-PKB-96	13-FEB-96	12-PEB-96	12-FEB-96	14-PEB-96	.14-FBB-96	13-FEB-96	13-FBB-96	15-PKB-96	15~FBB-96					12-FEB-96	12-FEB-96	14-PEB-96	14-FEB-96	13-FEB-96	13-FEB-96
ľot.					NATA	NATER					ZFZF	ZPZP	ZFAG	ZFAG	ZEZE	ZFZF	ZZZZ	ZEZE	ZFAG	ZFAG	ZFZF	ZPZP	ZFBG	ZFBG					ZFZF	ZFZF	ZFAG	ZFAG	ZFZF	ZFZF
Lab Number	DV4W*236	DV4W*276	TWAW+276	D/7-14/10	DV&W*460	DV4W*460 NFLB					DV4P*164	DV4F*164	DV4P*236	DV4F*236	DV4P*276	DV4P*276	DV4W*164	DV4W*164	DV4W*236	DV4W*236	DV4W*276	DV4W*276	DV4W*462	DV4W*462					DV4F*164	DV4F*164	DV4P*236	DV4F*236	DV4F*276	DV4P*276
IRIMIS Field Sample Number	MXAX03X2	MX ZW1 2X4	MY TWO TAX	PARTHUM		* MAAKUBAZ					MXG302X2	MXG302X2	MXAX03X2	MXAX03X2	MXZW12X4	MXZW12X4	MXG302X2	MXG302X2	MXAX03X2	MXAX03X2	MXZW12X4	MXZW12X4	MX5708B2	MX5708B2					MXG302X2	MXG302X2	MXAX03X2	MXAX03X2	MXZW12X4	MXZW12X4
Test	83 85	3 6	, g	3 6		*		a'u'i		macki mum	AG	AG	AG	AG	3 0	A G	A G	Š	A G	AG	9	S	AG	AG	****	avg	minimum	maximum	Z.	Æ	Æ	Æ	Z	A.
IRDMIS Method Code	SD28	SD28	8008	9 6	8700	8708					8810	3310	8810	8810	5310	2310	SS10	8810	2210	2310	8810	5310	2210	SS10					2310	2210	SS10	SS10	2310	8310
Method Description	SB IN WATER BY GPAA	IN WATER BY	TN WATER BY	TW WATTOO BY	MALLER DI	IN WHIRK DI					IN WATER BY	IN WATER BY	IN WATER BY	IN WATER BY	IN WATER BY	IN WATER BY	IN WATER BY	IN WATER BY	IN WATER BY	IN WATER BY	IN WATER BY	IN WATER BY	IN WATER BY	METALS IN WATER BY ICAP					IN WATER BY	IN WATER BY	IN WATER	IN WATER BY	WATER	METALS IN WATER BY ICAP

Chemical Quality Control Report Installation: Fort Devens, MA (DV) Group 4 Sites

RPD		7.	1.0	7.	4.4	1.0	1.0	1.0	1.0					1.7	1.7	1.6	1.6	4 .1	4.1	2.7	2.7	ĸ.	ī.	۰,	9.	1.6	1.6				•	5.6	5.6	s.	٥.	5.2
Percent Recovery		53.5	80.5	103.5	0.66	97.0	96.0	102.0	101.0		97.8	92.0	103.5	89.5	88.0	94.5	93.0	88.0	84.5	93.0	90.5	94.5	94.0	90.5	90.0	94.5	93.0		91.3	84.5	94.5	116.4	113.4	113.4	112.8	113.4
Original Sample Value Unite	,				_		591 UGL	141 UGL	141 UGL	•				_	34.6 UGL	16 UGL	16 UGE					_	_	_	_		7.31 UGL	•				S UGL	2 OGF	S UGL	2 Del	s ugl
Value <	•	> 0667	> 0/61	2070	1980	1940	1920	2040 <	2020 <					1790	1760	1890	1860		1690 <	1860	1810	1890	1880	1810	1800	1890	1860					58.2 <	> 2.95	> 2.95	> 4.95	56.7 <
Spike Value		0007	2000	2000	2000	2000	2000	2000	2000					2000	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000					20	20	20	20	20
Analysis Date		UB-MAK-YE	08-MAR-96	08-MAR-96	08-MAR-96	08-MAR-96	08-MAR-96	12-MAR-96	12-MAR-96					08-MAR-96	08-MAR-96	08-MAR-96	08-MAR-96	08-MAR-96	08-MAR-96	08-MAR-96	08-MAR-96	08-MAR-96	08-MAR-96	08-MAR-96	08-MAR-96	12-MAR-96	12-MAR-96					08-MAR-96	08-MAR-96	08-MAR-96	08-MAR-96	08-MAR-96
Sample Date		12-FKB-96	12-FEB-96	14-PBB-96	14-FBB-96	13-PBB-96	13-PEB-96	15-PEB-96	15-PEB-96					12-PEB-96	12-PEB-96	14-PEB-96	14-PEB-96	13-PEB-96	13-PEB-96	12-PEB-96	12-FEB-96	14-PEB-96	14-PEB-96	13-PEB-96	13-PKB-96	15-PEB-96	15-FEB-96					12-PKB-96	12-PEB-96	14-FEB-96	14-PEB-96	13-FEB-96
Lab Number Lot				DV4W*236 ZPAG	DV4W*236 ZFAG	DV4W*276 ZPZP	DV4W*276 ZPZP	DV4W*462 ZFBG	DV4W*462 ZFBG					DV4P*164 ZPZP	DV4F*164 ZFZF	DV4P*236 ZPAG	DV4F*236 ZPAG	DV4F*276 ZPZF	DV4P*276 ZPZP	DV4W*164 ZPZF	DV4W*164 ZPZP		DV4W*236 ZPAG	DV4W*276 ZPZP	DV4W*276 ZPZP	DV4W*462 ZFBG	DV4W*462 ZFBG					DV4P*164 ZPZP	UV4P*164 ZPZP	DV4P*236 ZPAG	DV4P*236 ZPAG	DV4P*276 ZFZF
IRDMIS Field Sample Number		MXG302X2	MXG302X2	MXAX03X2	MXAX03X2	MXZW12X4	MXZW12X4	MX5708B2	MX5708B2					MXG302X2	MXG302X2	MXAX03X2	MXAX03X2	MX 2W1 2X4	MXZW12X4	MXG302X2	MXG302X2	MXAX03X2	MXAX03X2	MXZW12X4	MXZW12X4	MX5708B2	MX5708B2					MXG302X2	MXC302X2	MXAX03X2	MXAX03X2	MXZW12X4
Test		₹	¥	¥	¥	¥.	¥	₽	¥.	********	₩.dd	minimum	maximum	BA	BA	BA	ВА	BA	ВА	BA	ВА	BA	ВА	BA	BA	ВА	ВА	******	avg	minim	maximum	88	88	88	88	88
IRDMIS Method Code		2210	2310	5310	8810	3310	8310	8310	3310					5310	3310	5310	8310	8810	2310	8810	8310	8310	8310	5310	SS10	2510	8810					2310	8810	8310	8310	8810
Method Description	•	IN WATER BY	IN WATER BY	METALS IN WATER BY ICAP	METALS IN WATER BY ICAP	METALS IN WATER BY ICAP	IN WATER BY	IN WATER BY	IN WATER BY					METALS IN WATER BY ICAP	Z	Z	METALS IN WATER BY ICAP	METALS IN WATER BY ICAP	METALS IN WATER BY ICAP	METALS IN WATER BY ICAP	METALS IN WATER BY ICAP	METALS IN WATER BY ICAP	METALS IN WATER BY ICAP	METALS IN WATER BY ICAP	METALS IN WATER BY ICAP	METALS IN WATER BY ICAP	METALS IN WATER BY ICAP					METALS IN WATER BY ICAP	METALS IN WATER BY ICAP	IN WATER BY		METALS IN WATER BY ICAP

			Percent	Recovery	107.6	116.4	116.4	115.8	114.6	116.2	116.2	114.8	112.6		114.3	107.6		97.9	96.0	106.0	91.6	102.0	92.0	106.0	101.0	113.0	107.0	102.0	1.86	104.0	98.1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	101.1	113.0	104,6	103.0	102.2	9
		ia]		Value Units	5 UGL						750 5	790 s	z OGL						OC COST	O UGE	_								_		oo UGE							
		original	Sample	Valu														10100	10100	69100	69100	18000	18000	10200	10200	26600	56600	19300	19300	13600	13600				4.01	4.01		j.
				v i	٧.	v	v	v	v	v	٧	v	v																						٧	v	۷ ،	v
				Value	53.8	58.2	58.2	57.9	57.3	58.1	58.1	57.4	56.3					9790	9600	10600	9160	10200	9200	10600	10100	11300	10700	10200	9810	10400	9810				52.3	51.5	51.1	ř.
1 Report, MA (DV)			Spike	Value	50	20	20	20	20	20	20	20	20					10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000				20	20	0 0	20
Chemical Quality Control Report Installation: Fort Devens, MA (DV) Group 4 Sites	M3/MSD		Analysis	Date	08-MAR-96	08-MAR-96	08-MAR-96	08-MAR-96	08-MAR-96	08-MAR-96	08-MAR-96	12-MAR-96	12-MAR-96					08-MAR-96	08-MAR-96	08-MAR-96	08-MAR-96	08-MAR-96	08-MAR-96	08-MAR-96	08-MAR-96	08-MAR-96	08-MAR-96	08-MAR-96	08-MAR-96	12-MAR-96	12-MAR-96				08-MAR-96	08-MAR-96	08-MAR-96	08-MAK-96
Chemical Installatio		ī	Sample	Date	13-PBB-96	12-PEB-96	12-PBB-96	14-PEB-96	14-PEB-96	13-FEB-96	13-PEB-96		15-PBB-96					12-FEB-96	12-PEB-96	14-FEB-96	14-FEB-96	13-FEB-96	13-PEB-96	12-FEB-96	12-FEB-96	14-PKB-96	14-FEB-96	13-FEB-96	13-FKB-96	15-FBB-96	15-PEB-96				12-PEB-96			14- <i>PBB-</i> 96
				r Lot		164 ZPZP	164 ZFZF	236 ZFAG					462 ZFBG					164 ZPZP	164 ZPZF		236 ZFAG		276 ZPZP		164 ZPZP					462 ZFBG	462 ZFBG							236 ZFAG
			Tab	Number		DV4W*164	DV4W*164	DV4W*236	DV4W*236		_	_	DV4W*462					DV4F*164	DV4F*164	_	DV4P*236	_	DV4F*276	DV4W*164	DV4W*164	_	_	_	DV4W*276	DV4W*462	DV4W*462				_	_		DV4F*236
		IRDMIS	Sample	Number	MXZW12X4	MXG3 02X2	MXG302X2	MXAX03X2	MXAX03X2	MXZW12X4	MXZW12X4	MX5708B2	MX5708B2					MXG3 02X2	MXG302X2	MXAX03X2	MXAX03X2	MXZW12X4	MXZW12X4	MXG3 02X2	MXG302X2	MXAX03X2	MXAX03X2	MXZW12X4	MXZW12X4	MX5708B2	MX5708B2				MXG302X2	MXG3 02X2	MXAX03X2	MXAX03X2
			Test	Name	BB	88	88	BB	. 88	BB	BB	BB	BB	*******	avg	minim	Maximum	ð	ð	ే రే	ే	ේ	ే	ฮ	రే	ฮ	đ	ฮ	ర	ฮ์	రే	*****	avg.	minimum	8	8	8 1	8
		IRDMIS	Method	Code	3310	8810	5310	2310	8810	2310	2310	SS10	8810					\$310	0188	8510	8810	8310	8810	8810	3310	8810	SS10	2310	8810	8810	SS10				8810	2810	2310	8810
				Method Description	METALS IN WATER BY ICAP	IN WATER BY	IN WATER BY	IN WATER BY	Z	IN WATER BY	METALS IN WATER BY ICAP	METALS IN WATER BY ICAP	METALS IN WATER BY ICAP					METALS IN WATER BY ICAP	TN WATER BY	IN WATER BY	IN WATER BY	IN WATER BY	IN WATER BY	IN WATER BY	Z	METALS IN WATER BY ICAP	IN WATER BY	METALS IN WATER BY ICAP	METALS IN WATER BY ICAP	METALS IN WATER BY ICAP	Z				IN WATER BY	IN WATER BY	IN WATER BY	MRTALS IN WATER BY ICAP

Chemical Quality Control Report Installation: Fort Devens, MA (DV) Group 4 Sites

Method Description	IRDMIS Method Code	Test Name		Lab Number Lot	Sample Date	Analysis Date	Spike Value	Value	óriginal Sample Value Units	Percent Recovery	RPD
METALS IN WATER BY ICAP	SS10	8	MXZW12X4		-	08-MAR-96	20	52.2 <	_	104.4	9.
Z	3310	8	MXZW12X4	DV4P*276 ZFZP	13-PEB-96	08-MAR-96	20	51.9 <	_	103.8	ų.
IN WATER BY	5510	8	MXG302X2	DV4W*164 ZFZP	12-PEB-96	08-MAR-96	20	49.1 <	_	98.2	2.7
IN WATER BY	3310	8	MXG302X2	DV4W*164 ZPZP	12-FEB-96	08-MAR-96	20	47.8 <		92.6	2.7
IN WATER BY	8810	8	MXAX03X2	DV4W*236 ZPAG	14~PEB-96	08-MAR-96	20	50.5		101.0	1.8
IN WATER BY	8810	8	MXAX03X2	DV4W*236 ZPAG	14-PEB-96	08-MAR-96	20	49.6 <	•	99.3	1.8
IN WATER BY	3310	8	MXZW12X4	DV4W*276 ZPZP	13-PKB-96	08-MAR-96	20	47.8 <	-	92.6	5.6
IN WATER BY	8810	8	MXZW12X4	DV4W*276 ZPZP	13-PKB-96	08-MAR-96	20	45.2 <	4.01 UGL	90.4	5.6
IN WATER BY	3310	₽	MX5708B2	DV4W*462 ZPBG	15-PEB-96	12-MAR-96	20	49.5	4.01 UGL	99.0	1.4
IN WATER BY	3310	8	MX5708B2	DV4W*462 ZPBG	15-FEB-96	12-MAR-96	20	48.8	4.01 UGL	97.6	1.4
		******							•		
		£v#								99.7	
-		minimum								* OK	
		maximum								104.6	
METALS IN WATER BY ICAP	9310	8	MXG302X2	DV4P*164 ZPZF	12-PEB-96	08-MAR-96	500	544 <	25 UGL	108.8	1.1
IN WATER	5310	8	MXG302X2	DV4P*164 ZPZP	12-PEB-96	08-MAR-96	200	> 828	25 UGE	107.6	1.1
IN WATER BY	8810	8	MXAX03X2	DV4P*236 ZPAG	14-PEB-96	08-MAR-96	200	556 <	_	111.2	₹.
IN WATER BY	2310	8	MXAX03X2	DV4P*236 ZPAG	14-FEB-96	08-MAR-96	200	554 <	_	110.8	₹.
IN WATER BY	5310	8	MXZM12X4	DV4F*276 ZPZF	13-FKB-96	08-MAR-96	200	538 <	-	107.6	3.6
IN WATER BY	3310	8	MXZW12X4	DV4F*276 ZPZP	13-PEB-96	08-MAR-96	200	519 <		103.6	3.6
IN WATER BY	8810	8	MXG302X2	DV4W*164 ZPZP	12-PKB-96	08-MAR-96	200	562 <		112.4	1.6
Ä	8810	8	MXG302X2	DV4W*164 ZPZP	12-PEB-96	08-MAR-96	200	553 <		110.6	1.6
IN WATER BY	3310	8	HXAX03X2	DV4W*236 ZPAG	14-PEB-96	08-MAR-96	200	280 ×		116.0	7.8
I	8810	8	MXAX03X2	DV4W*236 ZPAG	14-PEB-96	08-MAR-96	200	> 199		112.8	2.8
Z	8810	8	MXZW12X4	DV4W*276 ZPZP	13-PEB-96	08-MAR-96	200	562 <	_	112.4	3.1
Z	3510	8	MXZW12X4	DV4W*276 ZPZP	13-PEB-96	08-MAR-96	500	545 <	_	109.0	3.1
Z	SS10	8	MX5708B2	DV4W*462 ZFBG	15-PEB-96	12-MAR-96	200	> 277	25 UGL	115.4	2.3
IN WATER	8310	8	MX5708B2	DV4W*462 ZFBG	15-PEB-96	12-MAR-96	200	564 <	25 UGL	112.8	2.3
		********							•		
•		avg								110.8	
		minimum								103.8	
		maximum								116.0	
METALS IN WATER BY ICAP	8310	ð	MXG302X2	DV4F*164 ZPZP	12-PEB-96	08-MAR-96	200	187 <	6.02 UGL	93.5	'n
	8810	ర	MXG302X2	DV4F*164 ZPZF	12-FEB-96	08-MAR-96	200			93.0	s.
IN WATER BY	3310	б	MXAX03X2	DV4F*236 ZFAG	14-PEB-96	08-MAR-96	200	196 <	6.02 UGL	0.86	1.0

Chemical Quality Control Report Installation: Fort Devens, MA (DV) Group 4 Sites

Method Description	IRDMIS Method Code	Test	IRDMIS Field Sample Number	-	62 E)	Analysis Date	Spike Value	Value <	Original Sample Value Unite	Percent Recovery	RPD
IN WATER BY	3810	£	MXAX03X2	DV4F*236 ZFM	ZFAG 14-FEB-96	08-MAR-96	200	194 <	6.02 UGL	97.0	1.0
IN WATER BY	2310	៩	MXZW12X4			08-MAR-96	200	187 <		93.5	3.8
IN WATER BY	2310	రో	MXZW12X4		• •	08-MAR-96	200	180 <	6.02 UGL	90.06	3.8
IN WATER BY	8810	రో	MXG302X2		• •	08-MAR-96	200	196 <	6.02 UGL	98.0	5.6
IN WATER BY	8310	ម	MXG302X2		-	08-MAR-96	200	191 <	6.02 UGL	95.5	2.6
IN WATER BY	SS10	ಕ	MXAX03X2		•	08-MAR-96	200	202 <	6.02 UGL	101.0	2.0
IN WATER BY	2210	రో	MXAX03X2			08-MAR-96	200	198 <	6.02 UGL	99.0	2.0
IN WATER BY	2210	f	MXZW12X4		•	08-MAR-96	200	194 <	6.02 UGL	97.0	1.6
IN WATER BY	8210	ಕ	MXZW12X4		• •	08-MAR-96	200	191 <	6.02 UGL	95.5	1.6
IN WATER BY	2310	ಕ	MX5708B2		•	12-MAR-96	200	203 <	6.02 UGL	101.5	1.5
METALS IN WATER BY ICAP	SS10	రో	MX5708B2	DV4W*462 ZF	ZFBG 15-FKB-96	12-MAR-96	200	200 <	6.02 UGL	100.0	1.5
		****	•								
		atvg.								9.96	
		minimum								0.06	
		maximum								101.5	
METALS IN WATER BY ICAP	8810	В	MXG302X2	DV4F*164 ZFZF	ZF 12-FBB-96	08-MAR-96	250	246 <	8.09 UGL	4.86	æ
Z	8810	됨	MXG302X2	DV4F*164 ZFZF	ZP 12-PEB-96	08-MAR-96	250	244 <		97.6	. «
IN WATER BY	2310	8	MXAX03X2	DV4F*236 ZFAG	A 14-PEB-96	08-MAR-96	250	252 <	_	100.8	1.2
IN WATER BY	2310	8	MXAX03X2		_	08-MAR-96	250	249 <	8.09 UGL	93.6	1.5
IN WATER BY	2310	8	MXZW12X4			08-MAR-96	250	239 <	TOD. 60.8	92.6	4 .3
IN WATER BY	2810	В	MXZW12X4		•	08-MAR-96	250	229 <	8.09 UGL	91.6	4 .3
IN WATER BY	SS10	B	MXG3 02X2			08-MAR-96	250	251 <	8.09 UGL	100.4	1.6
IN WATER BY	2210	8	MXG3 02X2			08-MAR-96	250	247 <	8.09 UGL	98.8	1.6
IN WATER BY	S310	8	MXAX03X2		-	08-MAR-96	250	258 <	8.09 UGL	103.2	æ
IN WATER BY	3310	8	MXAX03X2		•	08-MAR-96	250	256 <	8.09 UGL	102.4	∞.
IN WATER BY	2310	8	MXZW12X4	-	••	08~MAR-96	250	250 <	8.09 UGL	100.0	1.2
IN WATER BY	2210	В	MXZW12X4		•	08-MAR-96	250	247 <	8.09 UGL	98.86	1.2
IN WATER BY	8210	8	MX5708B2		3G 15-FRB-96	12-MAR-96	250	256 <	8.09 UGL	102.4	æ.
METALS IN WATER BY ICAP	2210	8	MX5708B2	DV4W*462 ZFBG	G 15-PEB-96	12-MAR-96	250	254 <	8.09 UGL	101.6	80.

		awg.								99.4	
		minimum								91.6	
		max1mum								103.2	
IN WATER BY	ssio	PB	MXG302X2	DV4F*164 ZPZP	P 12-PEB-96	08-MAR-96	1000	1000	38.8 UGL	100.0	9
METALS IN WATER BY ICAP	8810	. 8 4	MXG3 02 X2	DV4F*164 ZPZF	7 12-PEB-96	08-MAR-96	1000	991 <		99.1	. 6.
										1	

Chemical Quality Control Report Installation: Fort Devens, MA (DV) Group 4 Sites

RPD	1.9	1.9	3.6	9.6	1.9	6.1	0,1	0.1		•	1.9	1.9				•		•	. •	•			•	3.7	3.7	2.7	2.7	in.	3.5					٠.
Percent Recovery	. 108.0	106.0	101.0	97.4	107.0	105.0	104.0	103.0	102.0	102.0	105.0	103.0	 103.0	97.4	108.0	104.0		107.0	106.0	107	102.0	113.0	112.0	109.0	105.0	111.0	108.0	115.0	111.0	*	107.9	99.9	115.0	95.2
. Units	nar	nor	ner	TEN.	UGL	ngr.	ngr Cdr	Ign	ngr.	ugir	TOO T	UGE		٠		ingr.	i i					ij	UGL	ner	ngr	750	ner	ner	ngr	·				UGI
Original Sample Value	357	357	38.8	38.8	38.8	38.8	3030	3030	664	664	38.8	38.8				2490	2490	3130	3130	1660	1660	1700	1700	2630	2630	1610	1610	1410	1410					895
v •	; ;		v	٧	v	v					v	v																						
Value	1080	1060	1010	974	1070	1050	1040	1030	1020	1020	1050	1030				10400	0666	10700	10600	10700	10200	11300	11200	10900	10500	11100	10800	11500	11100					9520
Spike Value	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000				10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000					10000
Analysis Date	08-MAR-96	08-MAR-96	08-MAR-96	08-MAR-96	08-MAR-96	08-MAR-96	08-MAR-96	08-MAR-96	08-MAR-96	08-MAR-96	12-MAR-96	12-MAR-96				08-MAR-96	08-MAR-96	08-MAR-96	08-MAR-96	08-MAR-96	08-MAR-96	08-MAR-96	08-MAR-96	08-MAR-96	08-MAR-96	08-MAR-96	08-MAR-96	12-MAR-96	12-MAR-96					08-MAR-96
Sample Date	14-PEB-96	• •	13-PEB-96	13-PEB-96	12-FEB-96	12-PEB-96	14-FEB-96	14-PEB-96	13-PEB-96	13-FEB-96	•	15-PKB-96				12-FEB-96	12-PKB-96	14-PEB-96	14-PEB-96	13-PEB-96	13-PEB-96	12-FEB-96	12-PEB-96	14-PEB-96	14-PEB-96	13-PEB-96	13-PEB-96	15-PEB-96	15-PEB-96					12-FEB-96
ž Š			6 ZPZP			4 ZFZF	6 ZPAG	6 ZFAG	6 ZPZP			2 ZFBG				4 ZPZP	4 ZPZP			6 ZPZP		4 ZPZP	4 ZPZP		6 ZFAG	424Z 9	6 ZPZP		2 ZFBG					4 ZPZP
Lab Number	DV4P*236	DV4P*236	DV4P*276	DV4P*276	DV4W*164	DV4W*164	DV4W*236	DV4W*236	DV4W*276	DV4W*276	DV4W*462	DV4W*462				DV4F*164	DV4F*164	DV4F*236	DV4P*236	DV4F*276	DV4F*276	DV4W*164	DV4W*164	DV4W*236	DV4W*236	DV4W*276	DV4W*276	DV4W*462	DV4W*462					DV4P*164 ZPZP
IRDMIS Field Sample Number	MXAX03X2	MXAX03X2	MXZW12X4	MXZW12X4	MXG302X2	MXG302X2	MXAX03X2	MXAX03X2	MXZW12X4	MXZW12X4	MX5708B2	MX5708B2				MXG302X2	MXG302X2	MXAX03X2	MXAX03X2	MXZW12X4	MXZW12X4	MXG302X2	MXG302X2	MXAX03X2	MXAX03X2	MXZW12X4	MXZW12X4	MX5708B2	MX5708B2					MXG3 0 2 X 2
Test Name	84	PB	PB	PB	PB	PB	FB	PB	PB	PB	PB	PB	avg	minim	maximum	×	¥	×	×	×	×	×	×	×	×	×	¥	×	×	****	gv#	minimum	maximum	MG
IRDMIS Method Code	5310	2310	8810	3310	5510	3310	2310	8310	8310	8810	3310	2310				3310	5310	8810	5310	S310	8310	5310	8810	5310	2310	8310	8810	8310	5310					3310
Method Description	IN WATER BY	IN WATER BY	IN WATER BY	IN WATER BY	IN WATER BY	IN WATER BY	IN WATER BY	IN WATER BY	IN WATER BY	IN WATER BY	IN WATER BY	MEIALS IN WATER BY ICAP				METALS IN WATER BY ICAP	METALS IN WATER BY ICAP	METALS IN WATER BY ICAP	METALS IN WATER BY ICAP	METALS IN WATER BY ICAP	METALS IN WATER BY ICAP	IN WATER BY	IN WATER BY	IN WATER BY	IN WATER BY	IN WATER BY	IN WATER BY	IN WATER BY	METALS IN WATER BY ICAP		٠			METALS IN WATER BY ICAP

Chemical Quality Control Report Installation: Fort Devens, MA (DV) Group 4 Sites

RPD	7.6	7.6	4.9	4.6	* 0.	1.0	2.1	2.1	7.0	2.0				1.4	1.4	11.9	11.9	3.7	3.7	2.0	2.0	16.0	16.0	€.	8.	1.7	1.7				
Percent Recovery	94.6	93.6	91.5	102.0	103.0	102.0	101.0	98.9	102.0	100.0		91.6	103.0	93.6	98.2	104.8	93.0	98.6	95.0	103.4	101.4	133.4	113.6	101.2	100.4	105.8	104.0		103.7	93.0	133.4
Unite	750 061	7 20 20 20	ner	101	7 15 15 15	Ten	ner	Igr	le le	Ten				UGE	ngr	OGE	ner	OGE	ner	UGI	ner	ner	ngr	ner	Ten	UGE	ner	•			
Original Sample Value	895	35500	1870	883	13800	13800	2180	2180	1460	1460				9.16	9.16	2770	2770	4.29	4.29	7.82	7.82	8740	8740	22.6	22.6	10.9	10.9				
Value <	9460	9360 9610	9150	10200	10300	10200	10100	9890	10200	10000				498	491	524	465	493	475	517	507	667	268	206	502	529	520				
Spike Value	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000				200	200	200	200	200	200	200	200	200	200	200	200	200	200				
Analysis Date	08-MAR-96 08-MAR-96	08-MAR-96 08-MAR-96	08-MAR-96	08-MAR-96 08-MAR-96	08-MAR-96	08-MAR-96	08-MAR-96	08-MAR-96	12-MAK-96	12-MAK-96				08-MAR-96	08-MAR-96	08-MAR-96	08-MAR-96	08-MAR-96	08-MAR-96	08-MAR-96	08-MAR-96	08-MAR-96	08-MAR-96	08-MAR-96	08-MAR-96	12-MAR-96	12-MAR-96				
Sample Date	12-PEB-96 14-PEB-96	14-FKB-96 13-FKB-96	13-PEB-96	12-FEB-96 12-FEB-96	14-PEB-96	14-PKB-96	13-PKB-96	13-FEB-96	15-FEB-96	15-FBB-96				12-FEB-96	12-FEB-96	14-PBB-96	.14-PEB-96	13-FEB-96	13-PEB-96	12~PKB-96	12-PEB-96	14-FEB-96	14-FEB-96	13-FKB-96	13-FRB-96	15-PEB-96	15-FEB-96				
Lab Number Lot		DV4F*236 ZFAG DV4F*276 ZFZF		DV4W*164 ZPZP DV4W*164 ZPZP				DV4W*276 ZPZP		DV4W*462 AFBG				DV4F*164 ZFZF	DV4F*164 ZFZF												DV4W*462 ZFBG				•
IRCMIS Field Sample Number	MXG302X2 MXAX03X2	MXZW12X4	MXZW12X4	MXG302X2	MXAX03X2	MXAX03X2	MXZW12X4	MXZW12X4	MAS 70882	7980/cVW				MXG302X2	MXG302X2	MXAX03X2	MXAX03X2	MXZW12X4	MXZW12X4	MXG302X2	MXG302X2	MX-MX03X2	MXAX03X2	MXZW1ZX4	MXZW12X4	MX5708B2	MX5708B2				
Test Name	D D	e e	Đ.	U U	æ	₩Ċ	Œ:	9	9 5	*******	200	minim	maximum	MN	MN	MN	WN	X	H.	N.	NI I	NE .	Z :	Z	N	N	N	*****	avg	minimum	maximum
IRDMIS Method Code	\$\$10 \$\$10	5510 5510	8810	SS10	2310	8810	8810	2210	2210	OTee				8310	8310	8810	SS10	8810	8810	SS10	8310	2270	5810	SSIO	8310	8310	8810				
Method Description	IN WATER BY	METALS IN WATER BY ICAP	IN WATER BY	METALS IN WATER BY ICAP	IN WATER BY	IN WATER BY	IN WATER BY	METALS IN WATER BY ICAP	TN WATER BY	IN WALLSK DI				METALS IN WATER BY ICAP	IN WATER BY	IN WATER BY	IN WATER BY	IN WATER BY	IN WATER BY	IN WATER BY	IN WATER BY	IN WAIRK DI	IN WATER BY	IN WAIKK BY	IN WATER BY	IN WATER BY	METALS IN WATER BY ICAP				

Chemical Quality Control Report Installation: Port Devens, MA (DV) Group 4 Sites

Method Description	IRDMIS Method Code	Test	IRUMIS Field Sample Number	Lab Number Lo	Sample Lot Date	Analysis Date	Spike Value	Value	Original Sample Value Unite	Percent Recovery	RPD
METALS IN WATER BY ICAP	3310	\$	MXG3 02X2	*	1 4	08-MAR-96	10000	0968	49100 UGL	89.6	1.2
METALS IN WATER BY ICAP	3310	ĸ	MXG302X2	DV4F*164 ZE	ZPZP 12-PKB-96	08-MAR-96	10000	8850	750 0016F.	88.5	1.2
METALS IN WATER BY ICAP	3310	ž	MXAX03X2		ZPAG 14-PRB-96	08-MAR-96	10000	11100	44200 UGL	111.0	10.4
METALS IN WATER BY ICAP	9310	ž	MXAX03X2	DV4F*236 ZE	ZFAG 14-PEB-96	08-MAR-96	10000	10000	44200 UGL	100.0	10.4
METALS IN WATER BY ICAP	8310	Ź	MXZW12X4	DV4P*276 ZE	ZPZP 13-PRB-96	08-MAR-96	10000	10200	19500 UGL	102.0	9.8
IN WATER BY	3310	Ź	MXZW12X4			08-MAR-96	10000	9250	19500 UGL	92.5	9.8
METALS IN WATER BY ICAP	8310	¥	MXG3 02X2		ZFZP 12-PKB-96	08-MAR-96	10000	11100	20800 UGT	111.0	17.2
METALS IN WATER BY ICAP	2310	¥	MXG302X2	DV4W*164 ZE	ZPZP 12-PEB-96	08-MAR-96	10000	9340	20800 UGL	93.4	17.2
METALS IN WATER BY ICAP	5310	ĸ	MXAX03X2	DV4W*236 ZE	ZPAG 14-PEB-96	08-MAR-96	10000	11300	40700 UGL	113.0	3.6
METALS IN WATER BY ICAP	8810	¥.	MXAX03X2	DV4W*236 ZE	ZPAG 14-PEB-96	08-MAR-96	10000	10900	40700 UGL	109.0	3.6
METALS IN WATER BY ICAP	5310	¥.	MXZW12X4	DV4W*276 ZE	ZPZP 13-PEB-96	08-MAR-96	10000	10200	21400 UGE	102.0	4 .3
WATER BY	5310	¥	MXZW12X4		ZPZP 13-PRB-96	08-MAR-96	10000	9770	21400 UGL	7.76	4.3
METALS IN WATER BY ICAP	3310	ž	MX5708B2	DV4W*462 ZE	ZPBG 15-PBB-96	12-MAR-96	10000	10100	30700 UGL	101.0	8.5
METALS IN WATER BY ICAP	8310	Ř	MX5708B2	DV4W*462 ZE	ZPBG 15-PBB-96	12-MAR-96	10000	9280	30700 UGL	92.8	8.5

		gv#								100.3	
		minimum								88.5	
		maximum								113.0	
METALS IN WATER BY ICAP	8810	IN	MXG3 02X2	DV4F*164 ZE	ZPZP 12-PEB-96	08-MAR-96	200	545 <	34.3 UGL	109.0	1.5
IN WATER BY	5310	NI	MXG3 02X2		•••	08-MAR-96	200	537 <	_	107.4	1.5
METALS IN WATER BY ICAP	3310	ın	MXAX03X2	DV4F*236 ZE	ZPAG 14-PEB-96	08-MAR-96	200	> 929	_	115.2	7.7
MBTALS IN WATER BY ICAP	2210	N.	MXAX03X2	DV4F*236 ZE	ZFAG 14-PEB-96	08-MAR-96	200	564 <	34.3 UGL	112.8	2.1
METALS IN WATER BY ICAP	SS10	Ä	MX ZW1 2 X4	DV4P*276 ZF	ZPZP 13-PKB-96	08-MAR-96	200	549 <	34.3 UGL	109.8	4.9
METALS IN WATER BY ICAP	3310	Ĭ.	MXZW12X4	DV4P*276 ZF	ZPZP 13-PEB-96	08-MAR-96	200	523 <	34.3 UGL	104.6	4.9
WATER	8810	¥	MXG3 02X2		2FZF 12-PEB-96	08-MAR-96	200	573 <	34.3 UGL	114.6	2.8
IN WATER BY	2310	K	MXG3 02 X2			08-MAR-96	200	557 <	_	111.4	2.8
METALS IN WATER BY ICAP	8810	H	MXAX03X2	DV4W*236 ZE	ZFAG 14-FEB-96	08-MAR-96	200	288	34.3 UGL	117.6	1.2
IN WATER BY	8810	ĸ	MXAX03X2		•	08-MAR-96	200	581 <	34.3 UGL	116.2	1.2
IN WATER BY	2310	¥	MXZW12X4		ZPZP 13-PKB-96	08-MAR-96	200	> 855	34.3 UGL	111.6	'n
IN WATER BY	2310	ĸ	MXZW12X4		•	08-MAR-96	200	> 255	34.3 UGL	111.0	s.
IN WATER	SS10	ĸ				12-MAR-96	200	585 <	34.3 UGL	117.0	2.8
METALS IN WATER BY ICAP	2210	Ħ	MX5708B2	DV4W*462 ZF	ZFBG 15-PKB-96	12-MAR-96	200	> 695	34.3 UGL	113.8	2.8

		Eve.								112.3	
										104.6	
		maximin								117.6	

Chemical Quality Control Report Installation: Fort Devens, MA (DV) Group 4 Sites

Method Description	IRDMIS Method Code	Test Name	IRDMIS Field Sample Number	Lab Number Lo	iot Da Sa	Sample Date	Analysis Date	Spike Value	Value	v	Original Sample Value Units	Percent Recovery	RPD
					1	; ; ;		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		1			. !
METALS IN WATER BY ICAP	\$510	۸	MXG3 02X2	DV4F*164 ZE	ZFZP 12	12-PBB-96	08-MAR-96	500	503	v	11 USL	100.6	1.0
METALS IN WATER BY ICAP	8310	۸	MXG3 02X2	DV4F*164 ZE	ZFZF 12	12-PEB-96	08-MAR-96	200	498	v	11 UGL	9.66	1.0
METALS IN WATER BY ICAP	SS10	۸	MXAX03X2	DV4F*236 ZE	ZPAG 14	14-PEB-96	08-MAR-96	200	518	v	_	103.6	1.4
METALS IN WATER BY ICAP	\$510	۸	MXAX03X2	DV4F*236 ZE	ZFAG 14	14-PBB-96	08-MAR-96	200	511	v		102.2	1.4
	3310	>	MXZW12X4	DV4F*276 ZE	ZFZF 13	13-PRB-96	08-MAR-96	200	498	v		9.66	3.9
METALS IN WATER BY ICAP	SS10	>	MXZW12X4	DV4F*276 ZE	ZFZF 13	13-FBB-96	08-MAR-96	200	479	v	11 UGL	95.8	3.9
METALS IN WATER BY ICAP	8810	>	MXG3 02X2	DV4W*164 ZE	ZPZP 12	12-PBB-96	08-MAR-96	200	526	v	11 UGE	105.2	1.7
METALS IN WATER BY ICAP	SS10	۸	MXG3 02 X2	DV4W*164 ZE	ZFZF 12	12-PBB-96	08-MAR-96	200	517	v	11 UGL	103.4	1.7
METALS IN WATER BY ICAP	5310	۸	MXAX03X2	DV4W*236 ZE	ZPAG 14	14-PBB-96	08-MAR-96	200	526	v	11 UGL	105.2	1.1
METALS IN WATER BY ICAP	8810	٨	MXAX03X2	DV4W*236 ZE	ZPAG 14	14-FEB-96	08-MAR-96	200	520	v	11 UGE	104.0	1.1
METALS IN WATER BY ICAP	SS10	>	MXZW12X4	DV4W*276 ZE	ZFZF 13	13-FBB-96	08-MAR-96	200	514	v	11 UGL	102.8	4
	SS10	>	MXZW12X4	DV4W*276 ZE	ZFZF 13	13-PBB-96	08-MAR-96	200	513	v	11 UGE	102.6	7
METALS IN WATER BY ICAP	SS10	>	MX5708B2	DV4W*462 ZE	ZPBG 15	15-PBB-96	12-MAR-96	200	533	v	11 UGL	106.6	1.7
IN WATER	SS10	>	MX5708B2	DV4W*462 ZE	ZFBG 15	15-PEB-96	12-MAR-96	200	524	v	11 UGL	104.8	1.7
		********		•								: : : : : : : : : : : : : : : : : : : :	
		avg										102.6	
		minimum										95.8	
		maximum										106.6	
MOTHER TH WATER BY 1CAD	8810	2	WXG107X2	TV4F#164 ZF	7P.7P 1.2	12-PKB-96	08-MAR-96	005	499	٧	21.1 UGL	8.00	4
TN WATED BY	5810	i	WXG102X2			2-PKB-96	08-MAR-96	200	497		_	4.66	*
TN WATER BY	8810		MXAXO3X2			14-PKB-96	08-MAR-96	200	505	, v	_	101.0	4.4
IN WATER BY	8810	S	MXXX03X2		•	14-PBB-96	08-MAR-96	200	498	v	_	9.66	1.4
METALS IN WATER BY ICAP	5510	ZN	MXZW12X4	DV4F*276 ZF	ZPZP 13	13-FEB-96	08-MAR-96	200	497	v	21.1 UGL	99.4	4.3
METALS IN WATER BY ICAP	\$510	Z	MXZW12X4	DV4F*276 ZF	ZPZP 13	3-PBB-96	08-MAR-96	200	476	v		95.2	4 .3
METALS IN WATER BY ICAP	8810	Z	MXG3 02X2	DV4W*164 ZF	ZFZF 12	12-PKB-96	08-MAR-96	200	515	v		103.0	1.2
METALS IN WATER BY ICAP	2310	Ä	MXG3 02X2	DV4W*164 ZE	ZFZF 12	.2-PEB-96	08-MAR-96	200	509	v	21.1 UGL	101.8	1.2
METALS IN WATER BY ICAP	SS10	E	MXAX03X2	DV4W*236 ZF	ZFAG 14	4-PBB-96	08-MAR-96	200	507	v	21.1 UGL	101.4	æ .
METALS IN WATER BY ICAP	8810	Z	MXAX03X2	DV4W*236 ZF	ZFAG 14	14-PRB-96	08-MAR-96	200	503	v	21.1 UGL	100.6	æ .
METALS IN WATER BY ICAP	SS10	Z	MXZW12X4	DV4W*276 ZF	ZFZF 13	13-PKB-96	08-MAR-96	200	510	v	21.1 UGL	102.0	1.8
METALS IN WATER BY ICAP	SS10	Z	MXZW12X4	DV4W*276 ZF	ZFZP 13	13-FKB-96	08-MAR-96	200	501	v	21.1 UGL	100.2	1.8
METALS IN WATER BY ICAP	SS10	Z	MX5708B2	DV4W*462 ZF	ZFBG 15	LS-PRB-96	12-MAR-96	200	523	v	_	104.6	1.2
METALS IN WATER BY ICAP	5310	Z	MX5708B2	DV4W*462 ZF	ZFBG 15	LS-PRB-96	12-MAR-96	200	517	v	21.1 UGL	103.4	1.2
		******										1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
		avg										100.8	
		minim										95.2	

Chemical Quality Control Report Installation: Fort Devens, MA (DV) Group 4 Sites

кер	! c					0.0 % %	4 4 4 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6
Percent Recovery	104.6	100.0	93.3	1000	98.3 93.3 100.0	105.0 105.0 97.5 95.3 100.7	96.0 95.0 102.0 99.5 98.1
Original Sample Value Units	78.1			10 UGL 10 UGL		1240 UGL 1240 UGL 257 UGL 257 UGL	13.3 UGL 13.3 UGL 13.3 UGL 13.3 UGL
Value <	05.	150	150	150 < 150 <		4200 4200 3900 3810	384 < 380 < 408 < 398 <
Spike Value	150	150 150	150	150 150		4000 4000 4000 4000	4 4 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
Analysis Date	07-MAR-96	07-MAR-96 11-MAR-96	11-MAR-96 07-MAR-96 07-MAR-96	11-MAR-96 11-MAR-96		12-MAR-96 12-MAR-96 27-FRB-96 27-FRB-96	27-FEB-96 27-FEB-96 27-FEB-96 27-FEB-96
Sample Date	13-PKB-96	13-FEB-96 13-PEB-96	13-FEB-96 12-FEB-96 12-FEB-96	14-PEB-96 14-PEB-96		14-PBB-96 14-PBB-96 13-PBB-96 13-PBB-96	12-PEB-96 12-PEB-96 15-PEB-96
Lab Number Lot	DV4W*234 ZGED	DV4W*234 ZGED DV4W*280 ZGFD	DV4W*280 ZGFD DV4W*288 ZGED DV4W*288 ZGED			DV4W*236 SHBB DV4W*276 SHZA DV4W*276 SHZA	DV4W*164 WENG DV4W*164 WENG DV4W*462 WENG DV4W*462 WENG
IRCMIS Field Sample Number	MXAX02X2	MXAX02X2 MXZW14X4	MXZW14X4 MXZW18X2 MXZW18X2			MXAXO3X2 MXAXO3X2 MXZW12X4 MXZW12X4	MXG302X2 MXG302X2 MX5708B2 MX5708B2
Test	maximum	NIT NIT	TIN TIN	NIT NIT	avg minimum maximum	NZKJEL NZKJEL NZKJEL NZKJEL ************************************	PO4 PO4 PO4 PO4 PO4 PO4 PO4 PO1 PO1 PO1 PO1 PO1 PO1 PO1 PO1 PO1 PO1
IRDMIS Method Code	TP22	TP22 TP22	TF22 TF22 TF22	TF22 TF22		TP26 TP26 TP26 TP26	1727 1727 1727 1727
Method Description	NO2, NO3 IN WATER	NI EON	NO2, NO3 IN WATER NO2, NO3 IN WATER NO2. NO3 IN WATER	NO3 IN		NZKJBL IN WATER NZKJBL IN WATER NZKJBL IN WATER NZKJBL IN WATER	TOT. PO4 IN WATER TOT. PO4 IN WATER TOT. PO4 IN WATER TOT.

Chemical Quality Control Report Installation: Fort Devens, MA (DV) Group 4 Sites

RPD	100000000000000000000000000000000000000	0000	2000	. 4.4. សំលំលំលំ	1.3
Percent Recovery	116.0 116.0 116.0 116.0 116.0 116.0	114.5 104.0 116.0 104.0 104.0 104.0	104.0 104.0 104.0 103.0 96.0	110.7 114.4 119.3 111.1 111.1	101.1
Original Sample Value Unite	93000 USL 23100 USL 23100 USL 37000 USL 37000 USL 43000 USL 43000 USL	11000 USL 11000 USL 14000 USL 14000 USL 21000 USL		.16 USL .16 USL .16 USL .16 USL	.19 UGL
Value <	29000 29000 29000 29000 29000 29000 29000	260000 260000 260000 240000 260000	260000 260000 260000	4.15 < 4.13 < 4.29 < 4.1 <	3.79 <
Spike Value	25000 25000 25000 25000 25000 25000 25000 25000	250000 250000 250000 250000 250000	250000 250000 250000	3.75 3.75 3.75 3.75	3.75
Analysis Date	15-PRB-96 26-PRB-96 26-PRB-96 19-PRB-96 19-PRB-96 115-PRB-96	15-FRB-96 15-FRB-96 26-FRB-96 26-FRB-96 19-FRB-96	19-FEB-96 15-FEB-96 15-FEB-96	02-MAR-96 02-MAR-96 23-FRB-96 23-FRB-96	02-MAR-96
Sample Date) -	12-PKB-96 12-PKB-96 14-PKB-96 14-PKB-96 13-PKB-96	13-PEB-96 13-PEB-96 13-PEB-96	14-PEB-96 14-PEB-96 13-PEB-96 13-PEB-96	14-PEB-96
Lab Number Lot	DV4M*164 PDQC DV4M*236 PDTC DV4M*236 PDTC DV4M*240 PDRC DV4M*240 PDRC DV4M*276 PDQC DV4M*276 PDQC		DV4W*240 PDRC DV4W*276 PDQC DV4W*276 PDQC	DV4W*236 SDIB DV4W*236 SDIB DV4W*276 SDGB DV4W*276 SDGB	DV4W*236 SDIR
IRDMIS Field Sample Number		MXG3 0.2X2 MXG3 0.2X2 MXAX 0.3X2 MXAX 0.3X2 MXAX 0.3X2	MXZW12X4 MXZW12X4 MXZW12X4 **	MXAXO3XZ MXAXO3XZ MXZM12X4 MXZM12X4	MXAX03X2
Test	មិ តិតិតិតិតិតិ	avg minimum maximum SO4 SO4 SO4 SO4	SO4 SO4 SO4 ****************************	PCB016 PCB016 PCB016 PCB016 ************************************	PCB260
IRDMIS Method Code	0.171 0.171 0.171 0.171 0.171	7710 7710 71710 71710	0177 0177 0177	UH02 UH02 UH02 UH02	UHO2
Method Description	SO4 IN WATER SO4 IN WATER SO4 IN WATER SO4 IN WATER SO4 IN WATER SO4 IN WATER SO4 IN WATER		SO4 IN WATER SO4 IN WATER SO4 IN WATER		

Chemical Quality Control Report Installation: Fort Devens, MA (DV) Group 4 Sites

RPD	1.3	s.	ĸ,					23.6	23.6	L M	3.5	25.8	25.8					29.7	29.7	3.3	9.9	32.3	32.3					9.05	9 00			• •	30.2
Percent Recovery	7.66	112.3	111.7		106.2	7.66	112.3	93.0	73.4	75.2	72.6	99.0	76.4		81.6	72.6	99.0	117.4	87.0	92.4	89.4	117.8	85.0	*	98.2	85.0	117.8	60	0.56	7 0 7	1.6.0		69.6
			.19 UGL	•				.023 UGL	_	_	.023 UGL	.023 UGL	•	•				.0918 UGL	.0918 UGL	.0918 UGL	.0918 UGL	.0918 UGL	.0918 UGL	•				.023 UGL	_	_	_		-
Value <	3.74 <	4.21 <	4.19 <					.465 <	.367	. 376	.363 <	· 495 <	.382 <					> 783.	.435 <	.462 <	.447	> 689.	.425 <					.444	.325 <	> 795			
Spike Value	3.75	3.75	3.75					'n	'n	ĸ.	'n	3.	r.					ĸ.	s.	ĸ.	٥.	<u>د</u> .	ri.					ŗ,	5.	ĸ	i v.	r.	'n
Analysis Date	02-MAR-96	23-PEB-96	23-FEB-96					08-MAR-96	08-MAR-96	12-MAR-96	12-MAR-96	08-MAR-96	08-MAR-96					08-MAR-96	08-MAR-96	12-MAR-96	12-MAR-96	08-MAR-96	08-MAR-96					08-MAR-96	08-MAR-96	12-MAR-96	12-MAR-96	08-MAR-96	08-MAR-96
Sample Date	14-PEB-96	13-PBB-96	13-FEB-96					12-FBB-96	12-PRB-96	14-PEB-96	14-FBB-96	13-PEB-96	13-FEB-96					12-PEB-96	12-PEB-96	14-PEB-96	14-PKB-96	13-PEB-96	13-FEB-96					12-FKB-96	12-PEB-96	14-PBB-96	14-PEB-96	13-PEB-96	13-FEB-96
Lab Number Lot			DV4W*276 SDGB					DV4W*164 TDRB	DV4W*164 TDRE	DV4W*236 TDTR		DV4W*276 TDRB	DV4W*276 TDRB						DV4W*164 TORB			DV4W*276 TDRE	DV4W*276 TDRE					DV4W*164 TDRB	DV4W*164 TDRB	DV4W*236 TDTR	DV4W*236 TDTB	DV4W*276 TDRB	DV4W*276 TDRE
IRDMIS Field Sample Number	MXAX03X2	MXZW12X4	MXZW1ZX4	•				MXG302X2	MXG302X2	MXAX03X2	MXAX03X2	MXZW12X4	MXZW12X4			-		MXG302X2	MXG3 02X2	MXAX03X2	MXXX03X2	MXZW12X4	MXZW12X4	_				MXG3 0 2 X 2	MXG302X2	MXAX03X2	MXAX03X2	MXZW12X4	MXZW12X4
Test Name	PCB260	PCB260	PCBZ6U		, i		maximum	AENSLF	ARNSLF	ARNSLF	ARNSLP	ARNSLF	AENSLP	****	gv a		maximum	ALDRN	ALDRN	ALDRN	ALDRN	ALDRN	ALDRN	****	avg.	minimum	maximum	BENSLP	BENSLP	BENSLP	BENSIL	BENSLP	BENSLF
IRDMIS Method Code	UHO2	OH02	2000					UH13	UH13	UH13	UH13	CTH13	UH13					UH13	OH13	UH13	UH13	UH13	UH13				٠	UH13	UHT3	UH13	UH13	UH13	UH13
Method Description																													•				

Chemical Quality Control Report Installation: Fort Devens, MA (DV) Group 4 Sites

RPD	! ! ! !	25.25 25.25 20.25	28.0 28.0 28.3 28.5 28.5 28.5	24.9 24.9 2.2.2 29.1 29.1
Percent Recovery	78.9	89.8 74.2.7 71.6 95.6 72.4 78.8	77.4 58.4 72.2 82.6 62.0 71.3 58.4	99.2 77.2 862.2 104.8 77.2 104.8
Unite	1 	720 720 720 720 720 720	, 150 150 150 150 150 160	120 120 120 120 120 120 120 120 120 120
Original Sample Value	1 	.024	.0238 .0238 .0238 .0238 .0238	.0423 .0423 .0423 .0423 .0423
	1 1 1	V V V V V	v v v v v	v v v v v
(A.)		4.6.6.4.6.6.00.00.00.00.00.00.00.00.00.00.00.00	.387 .372 .372 .361 .413	. 396 . 406 . 402 . 524 . 391
Spike Value		ஸ் ஸ் ஸ் ஸ் ஸ்	ஸ் ஸ் ஸ் ஸ் ஸ்	ហំ ហុ ហំ ហុ ហំ
Analysis Date		08-MAR-96 08-MAR-96 12-MAR-96 12-MAR-96 08-MAR-96	08-MAR-96 08-MAR-96 12-MAR-96 12-MAR-96 08-MAR-96 08-MAR-96	08-HAR-96 08-WAR-96 12-WAR-96 12-WAR-96 08-WAR-96
Sample Date		12 - PRB - 96 12 - PKB - 96 14 - PKB - 96 14 - PKB - 96 13 - PKB - 96 13 - PKB - 96	12-FRB-96 12-FRB-96 14-PRB-96 14-FRB-96 13-FRB-96	12-PRB-96 12-PRB-96 14-PRB-96 13-PRB-96 13-PRB-96 13-PRB-96
		4 TDRB 4 TDRB 6 TDTB 6 TDRB 6 TDRB 6 TDRB	4 TDRB 6 TDTB 6 TDTB 6 TDTB 6 TDRB	4 TORB 4 TORB 6 TOTB 6 TORB 6 TORB
Lab Number		DV4#*164 DV4#*236 DV4#*236 DV4#*276 DV4#*276	DV4W*164 DV4W*236 DV4W*236 DV4W*276	DV4W+164 DV4W+236 DV4W+236 DV4W+276 DV4W+276
IRCMIS Field Sample Number	<u>*</u>	HXG3 02X2 HXG3 02X2 HXAX03X2 HXAX03X2 HXZH12X4 HXZH12X4	MXG3 02X2 MXG3 02X2 MXAX03X2 MXAX03X2 MXZW12X4 MXZW12X4	MXG3 0 2 X Z MXG3 0 2 X Z MXG3 0 2 X Z MXZW1 2 X Z MXZW1 2 X A MXZW1 2 X A
Test Name	avy minimum maximum	DIDRN DIDRN DIDRN DIDRN DIDRN DIDRN ************************************	ENDRN ENDRN ENDRN ENDRN ENDRN ***********************************	HPCL HPCL HPCL HPCL HPCL HPCL # # # # # # # # # # # # # # # # # # #
IRDMIS Method Code	•	UH13 UH13 UH13 UH13 UH13	UH13 UH13 UH13 UH13 UH13	0413 0413 0413 0413 0413
Method Description				

Chemical Quality Control Report Installation: Fort Devens, MA (DV) Group 4 Sites

кер	24.4	24.4	2.0	2 5	27.7	:				22.8	22.8	3.5	3.1	27.1	27.1					48.8	4			. מר	38.1	!				7 95	36.7	3.7
Percent Recovery	93.7	73.3	74.6	73.1	74.6		81.3	73.1	98.6	86.99	84.0	66.0	64.0	90.4	68.8		73.3	64.0	90.4	92.1	56.0	7.76	100.0	95.2	64.7		83.7	56.0	100.0	101.8	20.7	92.6
Original Sample Value Units				1990 2450.					-	.0507 UGL	.0507 UGL	_	.0507 UGL	.0507 UGL	.0507 UGL					.057 UGL	.057 UGL	.057 UGL								.034 UGL		
ا د و ت ج	v	-		٧ ،	/ v					٧	٧	٧	٧	٧	v					v	٧	٧	٧	· v	٧					٧	٧	v
Value	7.66.	.733	.746	767.	.746					.334	.42	.33	.32	.452	.344					.921	.56	.944	7	.952	.647					.509	.351	.463
Spike	Ħ	н,	- ·	4 -	1 ਜ					ĸ.	'n	ī.	κĵ	ις	s.					н	-1	-	+	-	п					κį	'n	'n
Analysis Date	08-MAR-96	08-MAR-96	12-MAK-96	08-MAR-96	08-MAR-96					08-MAR-96	08-MAR-96	12-MAR-96	12-MAR-96	08-MAR-96	08-MAR-96					08-MAR-96	08-MAR-96	12-MAR-96	12-MAR-96	08-MAR-96	08-MAR-96					08-MAR-96	08-MAR-96	12-MAR-96
Sample Date	12-FBB-96	12-FKB-96	14-708-96	13-PRB-96	13-PEB-96					12-PEB-96	12-PKB-96	14-PEB-96	14-PEB-96	13-PEB-96	13-FEB-96					12-FEB-96	12-PEB-96	14-PEB-96	14-PEB-96	13-FEB-96	13-PKB-96					12-PKB-96	12-FEB-96	14-PEB-96
Ĕ	TORB	TUKB													TDRB					TORB	TORB	TOTE	TOTE	TORB	TORB					TORR	TORB	TOTA
Lab	DV4W*164	TOTAL TOTAL	DVAMEDIA	DV4W*276	DV4W*276					DV4W*164	DV4W*164	DV4W*236	DV4W*236	DV4W*276	DV4W*276					DV4W*164	DV4W*164	DV4W*236	DV4W*236	DV4W*276	DV4W*276					DV4W*164	DV4W*164	DV4W*236
IRDMIS Pield Sample Number	MXG302X2	MYAYOTY	MXAX03X2	MXZW12X4	_	:				MXG302X2	MXG302X2	MXAX03X2	MXAX03X2	MXZW12X4	MXZW12X4	:				MXG302X2	MXG3 02X2	MXAX03X2	MXAX03X2	MXZW12X4	MXZW12X4	ŧ				MXG302X2	MXG3 02X2	MXAX03X2
Hear Name	ISODR	18008	TSODE	ISODR	ISODR	********	£∧#	minim	maximum	LIN	LIN	LIN	LIN	LIN	LIN	***	avg.	minim.	maximum	MEXCLR	MEXCLR	MEXCLR	MEXCLR	MEXCLR	MEXCLR	*****	P.V.	minim	maximum	PPDDT	PPDDT	PPDDT
IRDMIS Method Code	UH13	CTHO CTHO	ETHS	UHIO	UH13					UH13	UH13	UH13	UH13	UH13	UH13					UH13	UH13	UH13	UH13	UH13	UH13					UH13	UH13	UH13
Method Description																																

Chemical Quality Control Report Installation: Fort Devens, MA (DV) Group 4 Sites

RPD	31.6
Percent Recovery	89.2 106.2 77.2 77.2 89.5 106.2
Original Sample Value Units	DV4W*276 TDRB 13-PBB-96 12-MAR-96 .5 .446 < .034 UGL 89.2 3.7 DV4W*276 TDRB 13-PBB-96 08-MAR-96 .5 .386 < .034 UGL 106.2 31.6 DV4W*276 TDRB 13-PBB-96 08-MAR-96 .5 .386 < .034 UGL 77.2 31.6 89.5 70.2
Value <	. 531
Spike Value	י ייי ייי
Analysis Date	12-MAR-96 08-MAR-96 08-MAR-96
Sample Date	14-FEB-96 13-FEB-96 13-FEB-96
Lab Number Lot	DV4W*236 TDRB DV4W*276 TDRB DV4W*276 TDRB
	1 7 4 4
Test	PPDDT PPDDT ****************************
IRDMIS Method Code	0H13 0H13 0H13
IRDMIS Field Field Method Description Code Name Number	

TABLE D-12 **ELEMENTS WITH MATRIX SPIKE RECOVERIES IN WATER** - OUTSIDE USEPA CRITERIA

ELEMENT	FREQUENCY OF RECOVERY OUTSIDE USEPA CLP LIMITS 1	RECOVERY RANGE
Groundwater	USEFA GLF LIMITS	HECUVERY HANGE
Mercury ¹	2/12	70.8 - 72.8
Arsenic ¹	1/16	128
Antimony ¹	1/16	74.5
Calcium ¹	1/16	134
iron 1	5/16	49 - 145
Manganese 1	2/16	58.8 - 71.6
Lead ²	4/16	52.8 - 55.3
Selenium ²	4/16	35.2 - 53.6
Arsenic ²	1/16	135.7
Antimony ²	6/16	39.5 - 74.9
Manganese ²	1/16	133.4
Surface Water		
Iron ¹	1/4	129

Spike results from the 1995 Fort Devens Site Investigation.
 Spike results from the Round 2 Groundwater sampling event.

ELEMENTS WITH MATRIX SPIKE RECOVERIES IN SOIL OUTSIDE USEPA CLP LIMITS

ELEMENT	FREQUENCY OF RECOVERY OUTSIDE USEPA CLP LIMITS	RECOVERY RANGE
Mercury	2/10	39.2 - 41.7
Aluminum	10/10	0.9 - 504.7
Iron	10/10	0.4 - 462.3
Selenium	6/10	60.0 - 134.5
Lead by GFAA	6/6	23.7 - 140.5
Arsenic	6/10	28.4 - 186.3
Manganese	7/10	4.0 - 477.4
Nickel	1/10	128.3

ELEMENTS WITH MATRIX SPIKE RECOVERIES IN SEDIMENT OUTSIDE USEPA CRITERIA

ELEMENT	FREQUENCY OF RECOVERY OUTSIDE USEPA CLP LIMITS	RECOVERY RANGE
Arsenic	2/4	12.4 - 12.6
Antimony	2/4	126.0 - 126.7
Manganese	1/4	4.1
Aluminum	4/4	0.5 - 1.2
Iron	4/4	0.2 - 48.7

PESTICIDE AND PCBs WITH SOIL MATRIX SPIKE RECOVERIES OUTSIDE USEPA CLP LIMITS

ELEMENT	FREQUENCY OF RECOVERY OUTSIDE USEPA CLP LIMITS	RECOVERY RANGE
Endosulfan II	2/8	169.8 - 181.1
Aroclor 1260	2/8	226 - 226.0
4,4-DDT	2/8	143.8 - 153.4

HARDNESS DATA WITH MATRIX SPIKE RECOVERIES IN WATER SAMPLES **OUTSIDE CONTROL LIMITS**

ELEMENT	FREQUENCY OF RECOVERY OUTSIDE USEPA CLP LIMITS	RECOVERY RANGE
Groundwater		
Hardness ¹	6/10	1.3 - 35.0
Hardness ²	2/10	17.1 - 23.1

Data collected during the 1995 Fort Devens Field Investigation.
 Data collected during the 1996 Round 2 Groundwater sampling event.

TABLE D-17 USEPA CLP SURROGATE RECOVERY CRITERIA FOR SVOCS

SURROGATE	PERCENT RECOVERY LIMITS FOR WATER	PERCENT RECOVERY LIMITS FOR SOIL
2-Fluorophenol	21% to 100%	25% to 121%
Phenol-D6	10% to 94%	24% to 113%
2,4,6-Tribromophenol	10% to 123%	19% to 122%
Nitrobenzene-D5	35% to 114%	23% to 120%
2-Fluorobiphenyl	43% to 116%	30% to 115%
Terphenyl-D14	33% to 141%	18% to 137%

TABLE D-18 USEPA CLP SURROGATE RECOVERY CRITERIA FOR VOCS

SURROGATE	PERCENT RECOVERY LIMITS FOR WATER	PERCENT RECOVERY LIMITS FOR SOIL
1,2-Dichloroethane-D4	76% to 114%	70% to 121%
4-Bromofluorobenzene	86% to 115%	74% to 121%
Toluene-D8	88% to 110%	81% to 117%

Chemical Quality Control Report Installation: Fort Devens, MA (DV) Group 2, 7 Sites

Method Description	IRDMIS Method Code	Test	IRDMIS Pield Sample Number	Lab Number Lot	4 14	•	Analysis Date	v	Value	Value Units	RPD
HARDNESS	1302	HARD	MXAX03X1	DV4W*235 PJNW		31-0CT-95	09-NOV-95	1	18000	UGT	178.9
HARDNESS	1302	HARD	MDAX03X1	DV4W*447 PJNW		31-0CT-95	09-NOV-95	v	1000	Œľ	178.9
HARDNESS	1302	HARD	MDG307X1	DV4W*448 PJNW		31-0CT-95	09-NOV-95	æ	36000	OGE	5.7
HARDNESS	1302	HARD	MXG3 0 7X1	DV4W*165 PJNW	•	31-0CT-95	09-NOV-95	E	34000	ngr	5.7
HARDNESS	1302	HARD	MDZW12X3	DV4W*450 PJNW	_	02-NOV-95	09-NOV-95	9	00009	ngr	0.0
HARDNESS	1302	HARD	MX ZW12X3	DV4W*275 PUNW	_	02-NOV-95	09-NOV-95	v	00009	UGI	0.0
HARDNESS	1302	HARD	WX5703XX	DV4W*202 PJKV		13-SRP-95	26-SBP-95	13	132000	UGIT	32.6
HARDNESS	1302	HARD	WD5703XX	DV4W*432 PJKV	• •	13-SBP-95	26-SEP-95	6	95000	DOL	32.6
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ALKALINITY	3101	ALK	MXAX03X1	DV4W*235 PJLW	•	31-0CT-95	09-NOV-95	23	32000	ner	5.3
ALKALINITY	3101	ALK	MDAX03X1	DV4W*447 PJLW		31-0CT-95	09-NOV-95	22	220000	ngr	5.3
ALKALINITY	3101	ALK	MDG307X1	DV4W*448 PJLW	•	31-0CT-95	09-NOV-95	7	13000	UGI	8.0
ALKALINITY	3101	ALK	MXG307X1	DV4W*165 PJLW		31-0CI-95	09-NOV-95	T	12000	UGI	8.0
ALKALINITY	3101	ALK	MDZW12X3	DV4W*450 PJOW	_	02-NOV-95	13-NOV-95	*	48000	ner	15.7
ALKALINITY	3101	ALK	MXZW12X3		_	02-NOV-95	13-NOV-95	*	41000	ne!"	15.7
ALKALINITY	3101	ALK	WD5703XX	DV4W*432 PJGU	•	13-SBP-95	22-SBP-95	m	35000	ngr	2.9
ALKALINITY	3101	ALK	WX5703XX	DV4W*202 PJGU		13-SBP-95	22-SRP-95	m	34000	Ten	2.9
•											
TOC IN SOIL	9060	Toc	BDAX0410	DV4S*439 ZENJ		25-SRP-95	16-0CT-95		520	nee	12.7
TOC IN SOIL	9060	TOC	BXAX0410	DV4S*227 ZENJ	•	25-SBP-95	16-0CT-95		458	nge n	12.7
TOC IN SOIL	9060	1 00	DD570300	DV4S*431 ZEJJ	•	13-SRP-95	09-0CI-95	29	293000	030	3.5
TOC IN SOIL	9060	10 C	DX570300	DV4S*187 ZBJJ	•	13-SRP-95	09-0CT-95	28	283000	990	3.5
TOC IN SOIL	9060	TOC	DXZW0100	DV4S*289 ZEHJ		11-SEP-95	03-0CT-95	7	12400	990	50.3
TOC IN SOIL	0906	1 00	DDZW0100	DV4S*400 ZEHJ		11-SEP-95	03-0CT-95		7420	DEG	50.3
тен	9071	TPHC .	BDAX0215	DV4S*442 ZBPJ		27-SBP-95	18-0CT-95		69	990	2.9
тен	9071	TPHC	BXAX0215	DV4S*217 ZRPJ		27-SBP-95	18-0CT-95		67	990	2.9
тен	9071	TPHC	BXZW0100		• •	19-SRP-95	10-0CT-95		661	nge	10.0
трн	9071	TPHC	BXZW0100	DV4S*435 ZEMJ		19-SEP-95	10-0CT-95		598	nee	10.0
ТРН	9071	TPHC	DD570300	DV4S*431 ZEKJ	•	13-SBP-95	09-0CI-95		212	nge	13.1

Chemical Quality Control Report Installation: Fort Devens, MA (DV) Group 2, 7 Sites

Method Description	IRDMIS Method Code	Test Name	IRDMIS Field Sample Number	-	<u>ب</u> 2	Sample Date	Analysis Date	v	Value	Value Units	RPD
ТРН	9071	TPHC	DXS70300		ZBIJ	13-SRP-95	04-0CI-95	;	186	033	13.1
HALL	9071	TPHC	DXZW0100		ZBIG	11-SBP-95	04-0CI-95		896	000	85.4
TPH	9071	TPHC	DDZWOJOO		ZEIJ	11-SRP-95	04-0CT-95		360	000	85.4
TPH	9071	TPHC	EX570405	DV4S*104 ZEMJ	ZEMJ	19-SRP-95	10-0CT-95	v	27.6	9	15.6
1134		7111	COLOR	7 951-5147	2	56-385-67	10-001-33		9.67	3	13.6
	Î	!				3 6 8	!		ļ		٠
IN SOLU BI	1000	2 :	BAAAOZIS		CHAIR	2/-38F-95	19-0CI-95	v	5	9	0.0
TR SOTE BY	TORO	2	BUAKUZIS	_	CHWE	2/-SKP-95	19-0CI-95	v	. 05	200	0.0
IN SOIL BY	JB01	HG.	BXZW0100		OHOR	19-SRP-95	11-0CT-95	v	.05	000	0.0
Ä	1080	<u> </u>	BXZW0100		OHOR	19-38P-95	11-0CT-95	v	.05	900	0.0
IN SOIL BY	7801	ĐH :	DD570300		OHTE	13-SBP-95	06-OCT-95		.273	nad	138.1
IN SOIL BY	JB01	HG	DX570300		OHLIB	13-SRP-95	06-0CI-95	v	.05	000	138.1
IN SOIL BY	JB01	HG	DXZW0100		OHIE	11-SBP-95	06-0CI-95	v	. 05	000	0.0
IN SOIL BY	JB01	HG	DDZW0100		QHTIB	11-SBP-95	06-0CT-95	v	.05	neg	0.0
IN SOIL BY	JB01	HG	ED570405	DV48*436 C	QHTUR Q	19-SEP-95	11-0CT-95	v	.05	nad	0.0
HG IN SOIL BY GRAA	JB01	HG	KX570405	DV4S*104 C	QHUR.	19-SBP-95	11-0CT-95	v	.05	990	0.0
SE IN SOIL BY GPAA	JD15	SB	BXAX0215	DV45*217 MBSR	BSB	27-SRP-95	23-0CT-95	v	.25	gga	0.0
	JD15	SR	BDAX0215	DV48*442 P	MBSB	27-SBP-95	23-OCT-95	•	.25	nec	0.0
IN SOIL BY	JD15	SR	BXZW0100	DV48*246 P	MBQR	19-SEP-95	16-0CT-95	v	. 25	000	0.0
ΒX	JD15	SR	BXZW0100	DV48*435 P	MBQB	19-SEP-95	16-0CT-95	v	. 25	nge	0.0
IN SOIL BY	3015	SB	DX570300	DV4S*187 MBPR	BPR	13-SRP-95	08-OCT-95		3.24	990	2.8
IN SOIL BY	JD15	SB	DD570300	DV4S*431 MBPB	IBPR	13-SBP-95	09-0CI-95		3.15	990	2.8
IN SOIL	3015	SB	DX 2W0100	DV4S*289 MBPB	IBPR	11-SRP-95	08-OCT-95	v	.25	990	0.0
SE IN SOIL BY GPAA	3015	SB	DDZW0100	DV4S*400 P	MBPB	11-SBP-95	09-0CI-95	v	.25	990	0.0
SE IN SOIL BY GPAA	3015	SB	RD570405	DV48*436 P	MBQB	19-SEP-95	16-0CT-95	v	.25	noc	0.0
SE IN SOIL BY GFAA	JD15	SB	KX570405	DV4S*104 P	MBQB	19-SRP-95	16-0CT-95	v	.25	000	0.0
	700	52	BDAX0215	DV4S*442 OBSB		27-SBP-95	22-0CT-95		7.82	000	17.3
PB IN SOIL BY GPAA	JD17	82	BXAX0215	DV4S*217 OBSE	BSB	27-SBP-95	22-0CT-95		9.3	1000	17.3

Chemical Quality Control Report Installation: Fort Devens, MA (DV) Group 2, 7 Sites

Method Description	IRDMIS Method Code	Test. Name	IRLMIS Field Sample Number	Lab Number Lot	Sample Date	Analysis Date	v	Value	Value Units	RPD
H	JD17	8	BXZW0100	DV4S*435 OBOR		16-0CT-95		7.53	nge	8.6
Ä	JD17	PB	BXZW0100	DV4S*246 OBQR	8 19-SBP-95	16-0CT-95		6.91	nge	8.6
PB IN SOIL BY GFAA	JD17	PB	EX570405	DV4S*104 OBQR	8 19-SBP-95	16-0CT-95		1.83	nee	1.1
Ä	7101	. BB	RD570405	DV4S*436 OBQE	8 19-SEP-95	16-0CT-95		1.81	nee	1.1
AS IN SOIL BY GPAA	9100	AS	BDAX0215	DV4S*442 QBXB	8 27-SBP-95	24-0CT-95		11.7	ngg	52.4
H	JD19	AS	BXAX0215	DV4S*217 QBXB	B 27-SBP-95	24-0CT-95		20	nag	52.4
IN SOIL BY	9101	A.S	BXZW0100	DV4S*435 QBVE	8 19-SEP-95	18-0CT-95		10.6	nee	27.6
IN SOIL BY	97019	A.S	BXZW0100	DV4S*246 QBVB	8 19-SEP-95	18-0CT-95		14	nee	27.6
	910C	A.S	DX570300		8 13-SRP-95	08-0CT-95		180	nge	40.0
IN SOIL BY	JD19	AS	DD570300	DV4S*431 QBUR	8 13-SRP-95	08-OCT-95		120	nec	40.0
IN SOIL BY	JD19	A.S	DXZW0100	DV4S*289 QBUB	8 11-SRP-95	08-OCT-95		9.95	nge	16.7
IN SOIL BY	JD19	AS	DDZW0100	DV4S*400 QBUB	8 11-SEP-95	08-OCT-95		8.42	nec	16.7
IN SOIL BY	3D19	AS	KX570405	DV45*104 QBVR	8 19-SEP-95	18-0CT-95		9.68	ned	10.0
IN SOIL	JD19	AS	RD570405	DV4S*436 QBVB	8 19-SBP-95	18-0CT-95		10.7	nge	10.0
TL IN SOIL BY GPAA	JD24	11	BXAX0215	DV4S*217 RBGB	3 27-SRP-95	22-OCT-95	v	ĸ	neg	0.0
IN SOIL	JD24	11	BDAX0215	DV4S*442 RBGB	3 27-SBP-95	22-0CT-95	v	'n	pen	0.0
ΒX	JD24	TL	BXZW0100	DV4S*246 RBFB	3 19-SRP-95	15-0CT-95	v	ĸ.	ned	0.0
IN SOIL BY	JD24	1	BXZW0100	DV4S*435 RBFB	3 19-SEP-95	15-0CT-95	v	ĸ.	nag	0.0
IN SOIL BY	JD24	11	DX570300		3 13-SEP-95	09-0CT-95	v	ī.	nag	0.0
IN SOIL BY	JD24	Ħ	DD570300		3 13-SEP-95	09-0CT-95	v	ī.		0.0
Ä	JD24	1	DXZW0100	DV4S*289 RBKB	3 11-SEP-95	09-0CT-95	v	ī.		0.0
IN SOIL BY	JD24	12	DDZW0100	DV43*400 RBKB	3 11-SEP-95	09-0CI-95	v	ĸ.	neg	0.0
IN SOIL	JD24	15	KD570405	DV4S*436 RBFB	3 19-SEP-95	15-0CT-95	v	ĸ.	DOO	0.0
TL IN SOIL BY GFAA	JD24	‡	EX570405	DV4S*104 RBFB	3 19-SEP-95	15-0CT-95	v	'n	980	0.0
IN SOIL	JD25	SB	BXAX0215	DV4S*217 SBOB	3 27-SBP-95	25-OCT-95	v	1.09	DB0	0.0
×	JD25	SB	BDAX0215	DV4S*442 SBOB	3 27-SBP-95	25-0CT-95	v	1.09	nee	0.0
IN SOIL BY	JD25	SB	BXZW0100	DV4S*246 SBNB	3 19-SEP-95	18-0CT-95	v	1.09	000	0.0

Chemical Quality Control Report Installation: Fort Devens, MA (DV) Group 2, 7 Sites

	IRDMIS	Test	IRDMIS Field Sample	Lab	Sample	Analyeis				
Method Description	Code	Name	Number	Number Lot	Date	Date	v ;	Value	Unite	RPD
	JD25	SB	BXZW0100	DV45*435 SBNB	19-SBP-95	18-0CT-95	v	1.09	pen	. 0.0
SB IN SOIL BY GPAR	3025	SB	DD570300	DV4S*431 SBMB	13-SBP-95	19-0CI-95	v	1.09	000	0.0
	JD25	SB	DX570300	DV4S*187 SBMB	13-SBP-95	19-0CI-95	v	1.09	nag	0.0
Z	3025	SB	DXZW0100	DV4S*289 SBMB	11-SRP-95	19-0CT-95	v	1.09	UGG	0.0
IN SOIL BY	JD25	SB	DDZW0100	DV4S*400 SBMB	11-SRP-95	19-0CT-95	v	1.09	nag	0.0
IN SOIL	JD25	SB	BD570405	DV4S*436 SBNB	19-SBP-95	18-0CT-95	v	1.09	nag	0.0
Z	JD25	SB	EX570405	DV4S*104 SBNB	19-SBP-95	18-0CT-95	v	1.09	nag	0.0
METALS IN SOIL BY ICAP	JS16	AG	BXAX0215	DV45*217 UBYP	27-SBP-95	20-0CT-95	v	.589	nge	0.0
METALS IN SOIL BY ICAP	J316	AG	BDAX0215	DV4S*442 UBYP	27-SRP-95	20-0CT-95	v	.589	990	0.0
IN SOIL BY	J316	AG.	BXZW0100	DV48*435 UBVP	19-SRP-95	05-0CT-95	v	.589	nag	0.0
IN SOIL	JS16	AG	BXZW0100	DV4S*246 UBVP	19-SBP-95	05-0CI-95	v	.589	nac	0.0
METALS IN SOIL BY ICAP	J316	SG.	DX570300	DV4S*187 UBUF	13-SRP-95	03-0CI-95	v	. 589	nag	0.0
METALS IN SOIL BY ICAP	J316	AG.	DD570300	DV4S*431 UBUP	13-SBP-95	03-0CT-95	v	. 589	ned	0.0
METALS IN SOIL BY ICAP	3180	AG	DDZW0100	DV4S*400 UBUP	11-SBP-95	03-0CI-95	v	.589	000	0.0
IN SOIL BY	J316	S G	DXZW0100	DV4S*289 UBUP	11-SRP-95	03-OCT-95	v	. 589	990	0.0
METALS IN SOIL BY ICAP	3516	AG	EX570405	DV4S*104 UBVF	19-SBP-95	05-0CT-95	v	.589	000	0.0
IN SOIL BY	3316	AG	RD570405	DV48*436 UBVP	19-SBP-95	05-OCT-95	v	. 589	200	0.0
METALS IN SOIL BY ICAP	J316	¥	BXAX0215	DV48*217 UBYP	27-SBP-95	20-0CT-95		9430	000	38.3
METALS IN SOIL BY ICAP	JS16	A.	BDAX0215	DV4S*442 UBYP	27-SBP-95	20-0CT-95		6400	DON.	38.3
IN SOIL	J316	Ā	BXZW0100	DV4S*246 UBVP	19-SRP-95	05-0CF-95		6140	nod	7.6
IN SOIL BY	J316	Æ	BXZW0100	DV4S*435 UBVP	19-SRP-95	05-0CI-95		2690	nee	7.6
IN SOIL BY	JS16	Æ	DD570300	DV4S*431 UBUP	13-SRP-95	03-0CI-95		14700	nee	26.2
METALS IN SOIL BY ICAP	JS16	Æ	DX570300	DV4S*187 UBUP	13-SRP-95	03-0CT-95		11300	nag	26.2
BX	J316	Æ	DDZM0100	DV4S*400 UBUP	11-SBP-95	03-OCT-95		6010	nge	13.7
BY	J316	¥I.	DXZW0100	DV43*289 UBUF		03-OCT-95		5240	600	13.7
BX	J316	¥	EX570405	DV4S*104 UBVP		05-0CI-95		2750	nge	.7
METALS IN SOIL BY ICAP	JS16	¥	RD570405	DV48*436 UBVP	19-SEP-95	05-0CI-95		2730	nge n	۲.
METALS IN SOIL BY ICAP	3316	ВА	BDAX0215	DV45*442 UBYP	27-SBP-95	20-0CT-95		18.6	990	61.2
TIOS NT	1816	4	BXAX0215	TW45#217 TRVP		20-0CT-95		35	ngo	61.2
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Chemical Quality Control Report Installation: Fort Devens, MA (DV) Group 2, 7 Sites

Method Description	IRDMIS Method Code	Test Name	IRDMIS Field Sample Number	Lab Number L	Iot	Sample Date	Analysis Date	v	Value	Value Units	RPD
METALS IN SOIL BY ICAP	JS16	ВА	BXZW0100	9	UBVF	19-SEP-95	05-OCT-95		19	DEC	11.1
SOIL BY I	J316	ВА	BXZW0100	DV4S*435 U	UBVP	19-SEP-95	05-0CT-95		17	ngg	11.1
BY I	JB16	ВА	DX570300	DV4S*187 U	UBUP	13-SRP-95	03-0CT-95		67.1	nge	57.3
METALS IN SOIL BY ICAP	JS16	ВА	DD570300	DV4S*431 U	UBUP	13-SEP-95	03-0CT-95		121	nge	57.3
н	J 816	ВА	DDZW0100	DV4S*400 U	UBUP	11-SRP-95	03-0CT-95		18.6	nge	23.4
METALS IN SOIL BY ICAP	JS16	BA	DXZW0100	DV4S*289 U	UBUP	11-SRP-95	03-0CT-95		14.7	DED.	23.4
METALS IN SOIL BY ICAP	JS16	BA	ED570405	DV4S*436 U	UBVF	19-SBP-95	05-0CT-95		11.3	nec	10.2
METALS IN SOIL BY ICAP	JS16	ВА	EX570405	DV4S*104 U	UBVP	19-SEP-95	05-0CT-95		10.2	nge	10.2
METALS IN SOIL BY ICAD	3181	ŭ	RXAX0215	DV4.9#217 []	IRVE	27-SRP-95	20-0CT-95	٧	ď	100	o
IN SOIL BY I	JS16	38	BDAX0215		UBYP	27-SBP-95	20-0CT-95		,	-	0.0
IN SOIL BY I	JS16	188	BXZW0100		UBVP	19-SBP-95	05-0CI-95		. 565	-	12.2
IN SOIL BY I	3316	BB	BXZW0100	DV45*435 U	UBVP	19-SBP-95	05-0CT-95	v	'n	UGG	12.2
SOIL	JS16	BB	DX570300	DV45*187 U	UBUP	13-SBP-95	03-0CT-95	v	ŗ	000	0.0
	JS16	BB	DD570300	DV4S*431 U	UBUR	13-SRP-95	03-0CT-95	v	s.	990	0.0
	JS16	BB	DDZW0100	DV4S*400 U	UBUP	11-SBP-95	03-0CT-95	v	ĸ.	ned	0.0
H H	JS16	38	DXZW0100	DV45*289 U	UBUE	11-SBP-95	03-0CT-95	v	'n	ned	0.0
SOIL	JS16	BB	EX570405	DV4S*104 U	UBVP	19-SBP-95	05-0CI-95	v	'n	990	0.0
METALS IN SOIL BY ICAP	JS16	BB	KD570405	DV48*436 U	UBVP	19-3BP-95	05-0CT-95	v	ŗ.	nge	0.0
METALS IN SOIL BY ICAP	JS16	ฮ์	BDAX0215	DV48*442 U	UBYP	27-SBP-95	20-0CT-95		10900	1000	31.9
IN SOIL BY I	JS16	ð	BXAX0215	DV4S*217 U	UBYP	27-SBP-95	20-0CT-95		7900	ned	31.9
BY I	J316	రే	BXZW0100	DV4S*246 U	UBVP	19-SBP-95	05-0CT-95		803	nge	28.9
IN SOIL BY I	JS16	ర	BXZW0100		UBVP	19-SBP-95	05-0CT-95		600	nge	28.9
METALS IN SOIL BY ICAP	JS16	రే	DD570300	DV45*431 U	UBUF	13-SEP-95	03-0CI-95		10300	nge	17.2
METALS IN SOIL BY ICAP	JS16	ฮ	DX570300	DV43*187 U	UBUP	13-SBP-95	03-0CI-95		8670	nge	17.2
METALS IN SOIL BY ICAP	J316	đ	DDZW0100	DV48*400 U	UBUZ	11-SEP-95	03-0CT-95		992	nge	3.6
METALS IN SOIL BY ICAP	J316	ర	DXZW0100	DV4S*289 U	UBUE	11-SBP-95	03-0CI-95		957	nge	3.6
	JS16	đ	EX570405	DV4S*104 U	UBVP	19-SEP-95	05-0CT-95		205	nge	15.2
METALS IN SOIL BY ICAP	J316	ð	KD570405	DV48*436 U	UBVP	19-SEP-95	05-0CI-95		176	13 0	15.2
METALS IN SOIL BY ICAD	7316	8	RXAX0215	DV4S*217 UBYP	RYP	27-SRP-95	20-0CT-95	٧	,	nea	0
TN SOIL	3181.	3 €	BDAX0215	DV4S+442 TRVP	a A	27-SED-95	20-04-9E	, ·	: -	155 E	
10 7700 01	1	3		7 #FF: CFAG	4	41 - DEE - 30	40-40-04	,	•	3	?

Chemical Quality Control Report Installation: Fort Devens, MA (DV) Group 2, 7 Sites

	IRDMIS Method	Test	IRDMIS Field Sample			Analysis		;		
Method Description	8	e E e	Munber	Number Lot	. Date	Date	, ,	Value	Unite	RPD
IN SOIL BY	3816	8	BXZW0100	-	P 19-SBP-95	05-0CT-95	v	.7	pen	0.0
IN SOIL BY 1	J316	8	BXZW0100		TP 19-SEP-95	05-0CT-95	v	.7	000	0.0
IN SOIL BY I	JS16	8	DD570300		IF 13-SRP-95	03-0CT-95	v	.7	noc	0.0
IN SOIL BY I	J 316	8	DX570300	DV4S*187 UBUF	IP 13-SRP-95	03-0CT-95	v	.7	nge nee	0.0
IN SOIL BY 1	JS16	8	DDZW0100	DV4S*400 UBUP	IP 11-SEP-95	03-0CT-95	v	.7	ngg	0.0
Z	J316	8	DXZW0100	DV45*289 UBUP	7 11-SBP-95	03-0CT-95	v	.7	990	0.0
	JS16	8	RD570405	DV4S*436 UBVP	T 19-SRP-95	05-0CT-95	v	7.	nag	0.0
METALS IN SOIL BY ICAP	JS16	8	EX570405	DV4S*104 UBVP	P 19-SBP-95	05-0CT-95	v		ngc n	0.0
dent ve troe or eletter	3101	8	21008480	EX. 61040128	20 000	10000		,		;
THE POLICE AND AND AND AND AND AND AND AND AND AND	0100	3 8	200000	DV45-617 UD		20-07-33		9 · ·	3	11.0
IN SOIL BY	0516	8	BDAX0215		•	20-0CI-95		98.9	990	17.6
IN SOIL BY	J 316	8	BXZW0100		-	05-0CI-95		4.81	000	16.4
IN SOIL BY	3216	8	BXZW0100	DV4S*246 UBVF	7 19-SBP-95	05-0CT-95		4.08	nod	16.4
IN SOIL BY I	J316	8	DD570300	DV4S*431 UBUP	IP 13-SBP-95	03-0CT-95		29.9	000	88.9
IN SOIL BY I	3316	8	DX570300	DV4S*187 UBUP	IP 13-SBP-95	03-0CI-95		11.5	nag	88.9
IN SOIL BY I	J316	8	DDZW0100	DV4S*400 UBUP	IP 11-SEP-95	03-0CT-95		4.17	pen	15.8
IN SOIL BY I	J316	8	DXZW0100	DV45*289 UBUP	P 11-SBP-95	03-0CT-95		3.56	ned	15.8
METALS IN SOIL BY ICAP	JS16	8	RD570405	DV45*436 UBVP	T 19-SRP-95	05-0CI-95		1.82	nag	9.8
METALS IN SOIL BY ICAP	3316	8	EX570405	DV4S*104 UBVP	P 19-SEP-95	05-0CT-95		1.67	nac	8.6
		1				!				
IN SOIL BY	3216	ð	BXAX0215		Ť	20-0CI-95		24.3	99	46.7
IN SOIL BY 1	JS16	ಕ	BDAX0215		P . 27-SEP-95	20-0CI-95		15.1	nod	46.7
IN SOIL BY I	JS16	ర	BXZW0100		T 19-SEP-95	05-0CT-95		16.4	990	15.1
IN SOIL BY I	JS16	៥	BXZW0100	DV48*435 UBVP	P 19-SRP-95	05-0CI-95		14.1	000	15.1
IN SOIL BY I	JS16	రో	DD570300	DV4S*431 UBUF	P 13-SBP-95	03-0CI-95		45.2	000	14.5
IN SOIL BY I	JS16	ర	DX570300	DV45*187 UBUP	IF 13-SBP-95	03-OCT-95		39.1	ben	14.5
SOIL	J316	ర	DXZW0100	DV4S*289 UBUP	F 11-S8P-95	03-0CT-95		35.5	oon	28.3
	JS16	б	DDZW0100	DV4S*400 UBUP	IP 11-SRP-95	03-0CT-95		26.7	990	28.3
Z	J 316	రో	RD570405	DV45*436 UBVP	P 19-SEP-95	05-0CT-95	v	4.05	noe	0.0
METALS IN SOIL BY ICAP	JS16	წ	EX570405	DV4S*104 UBVP	P 19-SBP-95	05-0CT-95	v	4.05	nac	0.0
METALS IN SOIL BY ICAP	3316	8	BDAX0215	DV45*442 URYP	7-58P-95	20-07-95		13.7	2011	n 1
TW COTT. BY	7101	1 8	DYNYOUTE	THE CHUTCHE		10 100			} !) L
1 19 7100 NI	9780	3	BARACLES	DV45*21/ UBIF	F 2/-38F-95	20-0CI-95		16	990	15.5

Chemical Quality Control Report Installation: Fort Devens, WA (DV) Group 2, 7 Sites

Method Description	IRDMIS Method Code	Test Name	IRDMIS Field Sample Number	Lab Number	Şţ	Sample Date	Analysis Date	, V &	Value D	Units	RPD
METALS IN SOIL BY ICAP	J316	8	BXZW0100	ي ا	UBVP	19-SRP-95	05-0CT-95	. 6	9.43 U	000	23.2
METALS IN SOIL BY ICAP	J316	8	BXZW0100	DV4S*435	UBVP	19-SRP-95	05-OCT-95	7.	_	990	23.2
METALS IN SOIL BY ICAP	3316	8	DD570300	DV45*431	UBUP	13-SBP-95	03-OCT-95	42.6		990	103.7
BY I	3316	8	DX570300	DV4S*187	UBUP	13-SRP-95	03-OCT-95	13.5		990	103.7
METALS IN SOIL BY ICAP	J316	8	DXZW0100	DV43*289	UBUP	11-SEP-95	03-0CT-95	25.1		990	9.6
METALS IN SOIL BY ICAP	3316	8	DDZW0100	DV4S*400	UBUP	11-SRP-95	03-OCT-95	22.8		DGG	9.6
METALS IN SOIL BY ICAP	3316	8	EX570405	DV4S*104 UBVP	UBVP	19-SEP-95	05-0CT-95			990	2.1
METALS IN SOIL BY ICAP	JS16	8	RD570405	DV4S*436 UBVF	UBVP	19-SEP-95	05-0CT-95	3.26		990	2.1
METALS IN SOIL BY ICAP	3316	NA.	BXAX0215	DV4S*217	UBYP	27-SRP-95	20-0CT-95	18600	_	t t	13.2
IN SOIL BY I	3316	PB	BDAX0215	-	UBYP	27-SBP-95	20-0CT-95	16300	_	900	13.2
IN SOIL BY I	J316	84	BXZW0100	DV4S*435	UBVP	19-SEP-95	05-OCT-95	10300	_	99	24.3
METALS IN SOIL BY ICAP	JS16	FB	BXZW0100	DV4S*246	UBVF	19-SEP-95	05-0CT-95	8070	_	b C	24.3
METALS IN SOIL BY ICAP	J316	PB	DD570300	DV4S*431	UBUE	13-SEP-95	03-OCT-95	31500		ngg	16.5
METALS IN SOIL BY ICAP	J316	FB	DX570300	DV4S*187	UBUR	13-SRP-95	03-0CT-95	26700		000	16.5
METALS IN SOIL BY ICAP	JS16	FB	DDZW0100	DV4S*400	UBUP	11-SEP-95	03-0CT-95	15400		990	21.6
SOIL BY I	J316	FB	DXZW0100		UBUF	11-SEP-95	03-OCT-95	12400	_	990	21.6
SOIL BY I	JS16	FB	RD570405		UBVP	19-SEP-95	05-0CI-95	4550	-	990	5.6
	J216	PB	EX570405	DV4S*104	UBVP	19-SBP-95	05-0CT-95	4300	_	990	5.6
METALS IN SOIL BY ICAP	J316	×	BXAX0215	DV4S*217 UBYP	UBYP	27-SEP-95	20-0CT-95	1610	_	990	77.6
METALS IN SOIL BY ICAP	J316	×	BDAX0215	DV48*442	UBYP	27-SEP-95	20-0CT-95	7.	710 U	990	77.6
METALS IN SOIL BY ICAP	J316	×	BXZW0100	DV4S*246	UBVP	19-SRP-95	05-0CT-95	œ	872 U	990	24.2
METALS IN SOIL BY ICAP	JS16	R	BXZW0100	DV4S*435	UBVP	19-SEP-95	05-0CT-95	ÿ	684 U	200	24.2
METALS IN SOIL BY ICAP	JS16	×	DD570300	DV4S*431	UBUP	13-SEP-95	03-OCT-95	10	TO 0901	990	41.5
SOIL BY I	JS16	×	DX570300		anen	13-SEP-95	03-0CT-95	v		020	41.5
BY I	JS16	×	DDZW0100	DV4S*400	UBUR	11-SEP-95	03-0CT-95	7	783 U	nec	39.4
BYI	J316	×	DXZW0100		UBUP	11-SEP-95	03-OCT-95	ĬĠ	525 U	99	39.4
IN SOIL BY I	J316	×	KD570405		UBVP	19-SEP-95	05-0CT-95	Ť	_	69	21.8
METALS IN SOIL BY ICAP	J316	×	EX570405	DV4S*104 1	UBVP	19-SBP-95	05-0CT-95	ň	344 U	990	21.8
METALS IN SOIL BY ICAP	3316	.	RXAX0215	DV4S*217 URVP	MYP	27-SRP-95	20-0CT-95	87	4830 11	123	23.1
THE COLUMN	9101	2 2	1			10 000 10	100) è		3 8	1.0
SOTE BI	9727	9	BUANUZIS	DV4S*442 UBIE	DBX	27-38E-72	56-170-07	3830		983	23.1

Chemical Quality Control Report Installation: Fort Devens, MA (DV) Group 2, 7 Sites

Method Description	IRDMIS Method Code	Test Name	IRDMIS Field Sample Number	Lab Number I	Lot 1	Sample Date	Analysis Date	< Value	• Units	RPD
METALS IN SOIL BY ICAP	JS16	MG.	BXZW0100	DV48*246 U	UBVP	19-SRP-95	05-0CT-95	2150	990	7.7
METALS IN SOIL BY ICAP	J316	₩Ġ	BXZW0100	DV48*435 U	UBVP 1	19-SRP-95	05-0CT-95	1990	ĐĐ	7.7
METALS IN SOIL BY ICAP	J316	₩Ċ	DD570300	DV48*431 U	UBUP 1	13-SRP-95	03-OCT-95	4130	nge	16.5
METALS IN SOIL BY ICAP	J316	W.C	DX570300	DV4S*187 U	UBUP 1	13-SBP-95	03-0CI-95	3500	nag	16.5
METALS IN SOIL BY ICAP	J316	MG	DDZW0100	DV48*400 L	UBUP 1	11-SRP-95	03-OCT-95	3100	000	9.6
MRTALS IN SOIL BY ICAP	JS16	MG	DXZW0100	DV43*289 U	UBUP 1	11-SBP-95	03-0CI-95	2810	nag	.0
IN SOIL BY	J316	MG	EX570405	DV48*104 U	UBVP 1	19-SBP-95	05-0CT-95	968	ngg	5.5
METALS IN SOIL BY ICAP	J 316	₩œ	KD570405	DV48*436 L	UBVP 1	19-SBP-95	05-0CT-95	848	nag	5.5
METALS IN SOIT, BY 1780	.T816	2	BYAYO215	171484217 1	TRVE	77.9RD-95	30-0-06	4	pett	
IN SOIL BY IC	J316	N.	BDAX0215			27-SBP-95	20-0CT-95	380	993	1.3
IN SOIL BY	3316	N.	BXZW0100			19-SBP-95	05-0CI-95	228	000	40.0
IN SOIL BY	JS16	MN	BXZW0100	DV48*246 U	UBVP	19-SBP-95	05-0CT-95	152	nag	40.0
IN SOIL BY	J316	MN	DD570300	DV48*431 U	UBUP 1	13-SBP-95	03-0CT-95	2070	000	99.5
IN SOIL BY	J316	MN	DX570300	DV4S*187 U	UBUP 1	13-SBP-95	03-0CT-95	569	nge	5.66
METALS IN SOIL BY ICAP	J316	MN	DDZW0100	DV48*400 U	UBUP 1	11-SBP-95	03-0CT-95	230	DOO	28.9
METALS IN SOIL BY ICAP	J316	¥	DXZW0100	DV4S*289 L	UBUP 1	11-SBP-95	03-0CT-95	172	nag	28.9
IN SOIL BY	J316	N.	EX570405	DV48*104 U	UBVP 1	19-SBP-95	05-0CT-95	231	nag	2.3
IN SOIL BY	3316	N.	XD570405	DV48*436 L	UBVP	19-SRP-95	05-0CI-95	226	DOO.	2.2
METALS IN SOIL BY ICAP	3316	Ź	BXAX0215	DV45*217 UBYP		27-SRP-95	20-0CT-95	351	nag	. 6.3
IN SOIL BY	J316	ž	BDAX0215	DV48*442 U	UBYP 2	27-SBP-95	20-0CT-95	331	990	5.9
IN SOIL BY	J316	KA KA	BXZW0100	DV48*246 U	UBVP 1	19-SBP-95	05-0CT-95	374	ben	20.3
IN SOIL BY	J316	KA Ka	BXZW0100	DV48*435 L	UBVP 1	19-SRP-95	05-0CT-95	305	nad	20.3
IN SOIL BY	J316	æ	DD570300	DV4S*431 U	UBUP 1	13-SRP-95	03-0CT-95	1780	8	178.7
MRTALS IN SOIL BY ICAP	J316	KA Ka	DX570300	DV43*187 U	UBUP 1	13-SBP-95	03-0CT-95	> 100	900	178.7
IN SOIL BY	JS16	¥	DXZW0100	DV43*289 L	UBUR 1	11-SEP-95	03-0CT-95	330	nge	5.0
IN SOIL BY	JS16	¥	DDZW0100	DV4S*400 L	UBUP	11-SBP-95	03-0CI-95	314	nad	5.0
METALS IN SOIL BY ICAP	JS16	•	RD570405		UBVP 1	19-SEP-95	05-0CT-95	286	nac	1.1
BX	JS16	\$	EX570405	DV4S*104 [UBVP	19-SEP-95	05-OCT-95	283	99	1.1
SOTT, RY	7316	ħ	BXAX0215	DV4S*217 URVE		27-SRP-95	20-007-95	9.46	990	23.9
METALS IN SOIT, BY ICAD	1816	<u> </u>	RDAX0215	TV4S#442 URVE		27-SED-95	20-021-95	27.2		93.9
100 110	3400	ŧ		,			******	!		;

Chemical Quality Control Report Installation: Fort Devens, MA (DV) Group 2, 7 Sites

Method Description	IRDMIS Method Code	Test Name	IRDMIS Field Sample Number	Lab Number Lot	Sample Date	Analysis Date <		Value Units	RPD
IN SOIL BY I	J316	IN	BXZW0100		19-SEP-95	05-OCT-95	13.3	pp	5.1
IN SOIL BY I	J316	H	BXZW0100		19-SRP-95	05-OCT-95	14	nge	5.1
IN SOIL BY I	J316	ij	DDS70300		13-SBP-95	03-OCT-95	46.8	200	85.8
IN SOIL BY I	3316	Ä	DX570300		13-SEP-95	03-OCT-95	18.7	DOD	85.8
METALS IN SOIL BY ICAP	J316	H	DDZW0100	DV4S*400 UBUP	11-SBP-95	03-0CI-95	17.3	nee	8.4
METALS IN SOIL BY ICAP	J316	Ņ	DXZW0100	DV4S*289 UBUF	11-SRP-95	03-0CI-95	15.9	ned	8.4
METALS IN SOIL BY ICAP	JS16	IN	ED570405	DV4S*436 UBVP	19-SRP-95	05-0CI-95	5.15	ned	5.0
METALS IN SOIL BY ICAP	7316	NI	EX570405	DV43*104 UBVF	19-3BP-95	05-OCT-95	5,05	990	2.0
METALS IN SOIL BY ICAP	3316	器	DDZW0100	DV4S*400 UBUF	11-SRP-95	03-0CT-95	55.9	nag	1.6
METALS IN SOIL BY ICAP	3316	PB	DXZW0100	DV45*289 UBUR	11-SRP-95	03-0CT-95	55	990	1.6
METALS IN SOIL BY ICAP	J316	>	BDAX0215	DV4S*442 UBYF	27-SRP-95	20-0CT-95	6,39	500	95.9
IN SOIL BY I	J316	٨	BXAX0215		27-SRP-95	20-0CT-95	13.5	ned	35.9
IN SOIL BY I	J316	>	BXZW0100	DV4S*246 UBVF	19-SEP-95	05-0CT-95	10.7	nag	8.9
METALS IN SOIL BY ICAP	J316	>	BXZW0100	DV4S*435 UBVP	19-SRP-95	05-0CI-95	10	ned	6.8
IN SOIL BY I	JS16	>	DD570300	DV4S*431 UBUF	13-SRP-95	03-0CI-95	46.4	nec	72.5
IN SOIL BY I	JS16	>	DX570300		13-SBP-95	03-0CI-95	21.7	nge	72.5
IN SOIL BY	J316	۸	DDZW0100		11-SBP-95	03-OCT-95	15.2	UGG	19.5
IN SOIL BY	JS16	Δ	DXZW0100		11-SRP-95	03-0CT-95	12.5	000	19.5
IN SOIL	J S16	۸	KD570405		19-SRP-95	05~0CT-95	4.37	600	14.7
METALS IN SOIL BY ICAP	JS16	>	EX570405	DV4S*104 UBVR	19-SBP-95	05-OCT-95	3.77	ngd n	14.7
IN SOIL BY	J316	ZN	BXAX0215	DV4S*217 UBYP	27-SBP-95	20-0CT-95	41.1	990	18.6
METALS IN SOIL BY ICAP	JS16	ĸ	BDAX0215	DV4S*442 UBYF	27-SRP-95	20-0CT-95	34.1	ngg	18.6
METALS IN SOIL BY ICAP	JS16	KS.	BXZW0100	DV4S*246 UBVP	19-SEP-95	05-0CT-95	20.8	000	10.1
IN SOIL BY	J316	ZN	BXZW0100		19-SEP-95	05-0CT-95	18.8	neg	10.1
IN SOIL BY	JS16	ZN	DD570300		13-SBP-95	03-0CI-95	457	990	114.1
IN SOIL	JS16	ZZ	DX570300		13-SEP-95	03-OCT-95	125	000	114.1
IN SOIL BY	JS16	ZZ ZZ	DDZW0100		11-SEP-95	03-OCT-95	71.4	nag	2.7
IN SOIL BY I	JS16	ä	DXZW0100		11-SEP-95	03-OCT-95	69.5	nge	2.7
IN SOIL BY I	JS16	Zi	EX570405		19-SEP-95	05-OCT-95	9.76	nge	2.4
METALS IN SOIL BY ICAP	JS16	ZZ.	RD570405	DV4S*436 UBVP	19-SRP-95	05-OCT-95	10	nge	2.4

Chemical Quality Control Report Installation: Fort Devens, MA (DV) Group 2, 7 Sites

RPD	0.0	0.0	0.0	0.0	7.99		0.0	0.0	0.0	0.0	0.0	0.0	0.0	50.0	50.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	35.3	35,3	0.0	0.0	0.0
Value Units	990	990	500	9	3 5	3 2	B	gg	nag	pan	99	993	199	93	99	nge	990	000	000	nag	ned	99	9	200	000	10g	nge	993
Value	* 0.	* 0.	4.		• •			7 0.	.04	.11	.11	9.	9.	٠.	,	9.	۰.	.11	.11	.14	.14	7.	.7	.7	-	.,	.7	.14
•	v	v	v	v	۷ ،	٧ ،	· •	v	v	v	٧	v	v	v	v	٧	•	v	v	v	٧	•	v	v	v	v	٧	v
Analysis Date	10-0CF-95	10-0CT-95	30-SRP-95	30-SBP-95	26-38P-95	26-365-95	27-SBP-95	29-SBP-95	29-SBP-95	10-0CT-95	10-0CT-95	30-SBP-95	30-88P-95	26-3BP-95	26-SBP-95	28-SEP-95	27-SBP-95	29-SBP-95	29-SRP-95	10-0CT-95	10-0CT-95	30-SBP-95	30-SEP-95	26-SBP-95	26-SBP-95	28-SBP-95	27-SRP-95	29-SBP-95
Sample Date	27-SBP-95	27-SBP-95	19-3BP-95	19-SBP-95	13-SBP-95	11-620-95	11-SBP-95	19-SBP-95	19-3RP-95	27-SBP-95	27-SBP-95	19-SBP-95	19-SBP-95	13-SBP-95	13-SRP-95	11-SEP-95	11-SBP-95	19-SEP-95	19-SRP-95	27-SBP-95	27-SRP-95	19-SBP-95	19-SBP-95	13-SBP-95	13-SBP-95	11-SEP-95	11-SRP-95	19-SEP-95
25	2 ORTG				7 OEKG				4 OBOG	7 OFTG		5 OROG	6 OBOG	1 OBLG	7 ORKG	0 ORJG	9 OBJG	6 OBOG	4 ogod	7 OFTG	2 ORTG	S OROG	6 OBOG	1 ORLG	7 OEKG	0 OBJG	9 ORJG	
Lab Nmber	DV48*442	DV4S*217	DV48*435	DV4S*246	DV4S*187	TW46#400	DV4S*289	DV45*436	DV4S*104	DV48*217	DV48*442	DV4S*435	DV48*246	DV48*431	DV4S*187	DV4S*400	DV4S*289	DV4S*436	DV4S*104	DV4S*217	DV4S*442	DV45*435	DV43*246	DV4S*431	DV43*187	DV4S*400	DV45*289	DV4S*436
IRDMIS Field Sample Number	BDAX0215	BXAX0215	BXZW0100	BXZW0100	DX570300	005/0300	DX ZW0100	ED570405	EX570405	BXAX0215	BDAX0215	BXZW0100	BXZW0100	DD570300	DX570300	DDZW0100	DXZW0100	KD570405	EX570405	BXAX0215	BDAX0215	BXZW0100	BXZW0100	DD570300	DX570300	DDZW0100	DX ZW0100	RD570405
Test	124TCB	124TCB	124TCB	124TCB	124708	12410	124TCB	124TCB	124TCB	12DCLB	12DCLB	12DCLB	12DCLB	12DCLB	12DCLB	12DCLB	12DCLB	12DCLB	12DCLB	12DPH	12DPH	12DPH	12DPH	12DPH	12DPH	12DPH	12DPH	12DPH
IRDMIS Method Code	[A18	LM18	LM18	IM18	LM18	E E	IM18	LM18	LM18	LM18	LM18	LM18	LM18	IM18	LM18	LM18	IM18	LM18	IM18	LM18	LM18	LM18	LM18	LM18	LM18	LM18	LM18	LM18
Method Description	BNA'S IN SOIL BY GC/MS	IN SOIL BY GC/	IN SOIL BY GC/	IN SOIL BY GC/	IN SOIL BY GC/	3 3	IN SOIL BY GC/	IN SOIL BY GC/	BNA'S IN SOIL BY GC/MS	Ä	SOIL BY GC/	IN SOIL BY GC,	IN SOIL BY GC,	IN SOIL	IN SOIL	IN SOIL	IN SOIL BY	IN SOIL BY		BNA'S IN SOIL BY GC/MS	Z	SOIL BY GC/	IN SOIL BY GC/	H	IN SOIL BY GC	H	IN SOIL BY GC/	IN SOIL BY GC/

Chemical Quality Control Report Installation: Port Devens, MA (DV) Group 2, 7 Sites

Method Description	IRDMIS Method Code	Test	IRDMIS Field Sample Number	Lab Number Lot	Sample t Date	60	Analysis Date	V	Value	Value Units	RPD
BNA'S IN SOIL BY GC/MS	LM18	12DPH	EXS70405	DV48*104 OB	OEOG 19-SEP-95	P-95	29-SRP-95	v	.14	D C	0.0
BNA'S IN SOIL BY GC/MS	LM18	13DCLB	BXAX0215	DV45*217 OB	ORTG 27-SRP-95	P-95	10-0CT-95	v	.13	pen	0.0
IN SOIL BY GO	LM18	13DCLB	BDAX0215	DV45*442 OB	ORTG 27-8BP-95	P-95	10-0CT-95	v	.13	tigg	0.0
IN SOIL BY	LM18	13DCLB	BXZW0100	DV4S*246 OB	OROG 19-SRP-95	P-95	30-SEP-95	v	٠.	ned	0.0
IN SOIL BY	LM18	13DCLB	BXZW0100	DV4S*435 OB	OROG 19-SRP-95	P-95	30-SBP-95	v	٠.	nee	0.0
IN SOIL BY	I.M18	13DCLB	DD570300	DV45*431 OF	ORLG 13-SEP-95	P-95	26-SRP-95	v	9.	ned	50.0
IN SOIL BY	LM18	13DCLB	DX570300	DV4S*187 OB	OEKG 13-SEP-95	P-95	26-SBP-95	v	-	nee	50.0
IN SOIL BY	LM18	13DCLB	DXZW0100	DV4S*289 OB	ORJG 11-SEP-95	P-95	27-SBP-95	v	٠.	nee	0.0
SOIL BY	LM18	13DCLB	DDZW0100		OBJG 11-SRP-95	P-95	28-SEP-95	v	۰.	DEC	0.0
IN SOIL BY	LM18	13DCLB	RD570405	DV45*436 OB	OROG 19-SRP-95	P-95	29-SRP-95	•	.13	DEC	0.0
SOIL BY	LM18	13DCLB	KX570405	DV4S*104 OB	OROG 19-SEP-95	P-95	29-SBP-95	v	.13	000	0.0
		1									•
IN SOIL BY	LM18	14DCLB	BDAX0215			P-95	10-0CL-95	v	.098	3	0.0
IN SOIL BY	IM18	14DCLB	BXAX0215		•	P-95	10-0CT-95	v	.098	100	0.0
IN SOIL BY	LM18	14DCLB	BXZW0100		OROG 19-SRP-95	P-95	30-SBP-95	v	ĸ.	UGG	0.0
SOIL BY	LM18	14DCLB	BXZW0100	DV4S*246 OB	OROG 19-SRP-95	P-95	30-SRP-95	v	'n	DOO	0.0
H	LM18	14DCLB	DD570300		•	P-95	26-SBP-95	v	'n.	000	66.7
IN SOIL BY	LM18	14DCLB	DX570300	DV4S*187 OB	ORKG 13-SRP-95	P-95	26-SBP-95	v	-	nee	66.7
IN SOIL BY	LM18	14DCLB	DDZW0100	DV4S*400 OB	ORJG 11-SEP-95	P-95	28-SBP-95	v	s.	000	0.0
B	LM18	14DCLB	DXZW0100		ORJG 11-SRP-95	P-95	27-SRP-95	v	'n	nge nge	0.0
IN SOIL BY	LM18	14DCLB	RD570405		OBOG 19-SEP-95	P-95	29-SBP-95	v	860.	tog t	0.0
SOIL BY	LM18	14DCLB	EX570405	DV4S*104 OB	OROG 19-SRP-95	P-95	29-SBP-95	•	860.	UGG	0.0
BNA'S IN SOIL BY GC/MS	LM18	245TCP	BXAX0215	DV4S*217 ORTG	TG 27-SBP-95	P-95	10-0CT-95	٧	۲.	nec	0.0
SOIL BY GC	LM18	245TCP	BDAX0215	DV4S*442 OB	OETG 27-SEP-95	P-95	10-0CT-95	v	٦.	990	0.0
IN SOIL BY	LM18	245TCP	BXZW0100	DV4S*246 OB	OROG 19-SRP-95	P-95	30-SRP-95	v	'n	nee	0.0
SOIL BY	LM18	245TCP	BXZW0100	DV4S*435 OB	OROG 19-SRP-95	P-95	30-SEP-95	v	'n	ned	0.0
IN SOIL BY	LM18	245TCP	DDS70300		OELG 13-SEP-95	P-95	26-SRP-95	v	ď.	nge	66.7
IN SOIL BY	LM18	245TCP	DX570300	DV43*187 OB	OEKG 13-SEP-95	P-95	26-SBP-95	v	н	UGG	66.7
IN SOIL BY	LM18	245TCP	DXZW0100	DV45*289 OR	ORJG 11-SEP-95	P-95	27-SBP-95	v	ń	cec	0.0
IN SOIL BY GC	LM18	245TCP	DDZW0100	DV4S*400 OB	• •	P-95	28-SBP-95	v	'n	nge	0.0
IN SOIL BY	LM18	245TCP	RD570405	DV4S*436 OBOG	OG 19-SEP-95	P-95	29-SBP-95	v	۲.	990	0.0

Chemical Quality Control Report Installation: Fort Devens, MA (DV) Group 2, 7 Sites

. RPD	0.0	0.0	0.0	0.0	0.0	35.7	85.7	0.0	0.0	0.0	0:0	•		0.0	0.0	0.0	75.9	75.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	90.0	80.0	0.0	0.0	0.0
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Value Units	pon	000	nag	000	Dec	020	000	000	000	000	nag	5	3	99	000	000	000	993	993	993	nge	9	000	1000	000	200	000	nag	990	000	pen
alue	ਜ਼	.17	.17	₩.	∞.	₩.	ч	€.	«	.17	.17	;	97.	. 18	ė	٥.	٥.	71	ø.	ø.	.18	.18	69.	.69	m	M	7	m	m	m	. 69
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v :	v	v	v	v	٧	٧	٧	v	v	٧	٧	,	v	v	v	v	٧	v	v	v	v	v	٧	٧	v	v	٧	٧	٧	٧	v
18	-95	-95	-95	-95	-95	-95	-95	-95	-95	-95	-95	Ļ	ני	-95	-95	-95	-95	-95	-95	-95	-95	-95	-95	-95	-95	-95	-95	-95	-95	-95	-95
Analyeie Date	29-SBP-95	10-0CT-95	10-0CT-95	30-SRP-95	30-SBP-95	26-SBP-95	26-SBP-95	28-SBP-95	27-SBP-95	29-SEP-95	29-SRP-95		56-170-0T	10-0CT-95	30-SRP-95	30-SBP-95	26-SBP-95	26-SRP-95	27-SBP-95	28-SBP-95	29-SBP-95	29-38P-95	10-0CT-95	10-0CT-95	30-SEP-95	30-SBP-95	26-SEP-95	26-SBP-95	28-SBP-95	27-SBP-95	29-SRP-95
4 0		•									•								•••	•	•		•	•	•		•••			•••	••
910	19-SRP-95	27-SRP-95	27-SBP-95	19-SBP-95	19-SBP-95	13-SBP-95	13-SRP-95	11-SRP-95	11-SBP-95	19-SRP-95	19-SBP-95		27-38E-17	27-SBP-95	19-SBP-95	19-3RP-95	13-SRP-95	13-SBP-95	11-SRP-95	11-SBP-95	19-SBP-95	19-3RP-95	27-SRP-95	27-SBP-95	19-SBP-95	19-SEP-95	13-SBP-95	13-SBP-95	11-SRP-95	11-SBP-95	19-SBP-95
Sample Date	19-6	27-5	27-8	19-5	19-5	13-61	13-5	11-5	• •	19-5	19-6		7	27-5	19-5	19	13-51	13-5	11-8	•	19-5	19-8	27-5	27-5	19-5	19-5	13-51	13-5	11-5	11-5	19-8
Ĕ	OROG	ORTG	ORTG	OBOG	OROG	OBLG	OKKG	ORJG	OBJG	OROG	OROG				OROG	OROG	ORIG	ORKG	ORJG	OEJG	OROG	OBOG	OFIG	ORTG	OROG	OROG	OKKG	ORLG	OBJG	OBJG	OROG
Lab Number	DV43*104	0748*217	DV4S*442	0748*435	DV43*246	DV48*431	0743*187	DV4S*400	DV4S*289	0748*436	DV4S*104	1	/TZ=24/0	DV4S*442	DV43*246	0748*435	DV48*431	JV4S*187	V4S*289	JV4S*400	JV4S*436	DV4S*104	DV48*217	DV4S*442	DV4S*435	DV4S*246	DV43*187	DV4S*431	0743*400	V4S*289	DV43*436
Lab	40	9	DV4	DV4	74	V4	74	V4	W.	DV4	Š	i	Š	Š	NA.	W.	MA.	DV4	V4	400	700	8	DV4	DV4	V.	70	DV4	₩.	MA.	W4	74
ins ins ins	BX570405	3XAX0215	BDAX0215	BXZW0100	BXZW0100	00570300	DX570300	DDZW0100	DXZW0100	RD570405	EX570405		37.AM.02.15	BDAX0215	BXZW0100	BXZW0100	00570300	DX570300	DX ZW0100	DDZW0100	RD570405	EX570405	BXAX0215	BDAX0215	BXZW0100	BXZW0100	DX570300	DD570300	DDZW0100	DXZW0100	RD570405
IRDMIS Field Sample Number	BXS7	BXCA	BDAX	BXZ	BXZ	DD57	DX57	DDZ	DXZ	RD57	EX57	,	3	BDAX	BXZ	BXZ	DD57	DX57	DXZ	DDZ	RD57	EXS7	BXAX	BDAX	BXZ	BXZ	DX57	0057	DDZ	DXZ	KD57
	8	햠	đ	æ	ď	d G	ď	윱	G.	e E	8		<u>.</u>	£	3	2	E E	e E	2	å	e E	2	¥	N	¥	æ	Z	æ	M	Z	æ
Test Name	245TCP	24 6TCP	246TCP	24 6TCP	246TCP	246TCP	246TCP	24 eTCP	246TCP	246TCP	246TCP		24000	24DCLP	24DCLP	24DMPN															
IRDMIS Method Code	80		80	80,	80,	80	æ	80	60		80		•	80	60	80	80	80	80	80	æ	60	60	80	80	60	60	80	80	80	60
IRDM: Methy Code	LM18	IMIB	1.M18	LM18	LM18	LM18	LM18	LM18	LM18	1.M18	LM18		TWIR	LM18	1.M18	LM18	LM18	LM18	LM18	LM18	IM18	LM18	IM18	LM18	I.M18						
	GC/MS	GC/M3	GC/MS	C/MS	C/MS	GC/M3	GC/MS	GC/M3	GC/M3	3C/MS	GC/MS	Ş	2E/35	GC/M3	GC/MS	GC/MS	GC/MS	GC/M3	GC/MS	C/MS	C/MS	GC/MS	GC/MS	C/MS	GC/MS	GC/MS	GC/MS	C/MS	C/MS	C/MS	GC/MS
ption	BY	BY	BY	BY	BY	BX	BY	BX	BY	ΒX	BY (ì	X	BY	BX	BY	BY	BY	BY	BY	BY	BY	BY		BY	BX	BY	BY	BX	BY	ВХ
Method Description	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL		SOLL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL							
D.	NI S	Z	Z	N	N	Z	Z	Z	ř	Z		i	Ž	Ä	Z	ĸ	Z	Z	H	Z	H	Z	Ž	Ä	Ä	Ä	H	Z	Z	H	Z
Meth	BNA'S	BNA'S	BNA'8	BNA'S	BNA'S	BNA'8	BNA'S	BNA'S	BNA'S	BNA'S	BNA'S		BNA 3	BNA'S	BNA'S	BNA'S	BNA'S	ENA'S	BNA'S	BNA'S	BNA'S	BNA'S	BNA'S	BNA'S							

Chemical Quality Control Report Installation: Fort Devens, MA (DV) Group 2, 7 Sites

Wethod Description	IRDMIS Method Code	Test Name	IRDMIS Field Sample Number	Lab Number Lot	Sample Date	Analysis Date	v	Value	Value Unite	RPD
BNA'S IN SOIL BY GC/MS	LM18	24DMPN	EXS70405	DV4S*104 OBOG	OG 19-8RP-95	29-SBP-95	· v	69.	nge	0.0
BNA'S IN SOIL BY GC/MS	LM18	24DNP	BXAX0215	DV48*217 ORTG	N 27-SEP-95	10-0CL-95	v	1.2	nag	0.0
SOIL	LM18	24DNP	BDAX0215	DV4S*442 OBTG	IG 27-SBP-95	10-0CT-95	v	1.2	090	0.0
SOIL BY	LM18	24DNP	BXZW0100	DV4S*246 OBOG	G 19-SBP-95	30-SRP-95	v	9	uec	0.0
SOIL BY	LM18	24DNP	BXZW0100	DV48*435 OBOG	JG 19-SEP-95	30-SBP-95	v	6	ned	0.0
IN SOIL BY	LM18	24DNP	DX570300	DV4S*187 OBKG	(G 13-SBP-95	26-SBP-95	v	10	nge nge	50.0
SOIL BY	LM18	24DNP	DD570300	DV4S*431 OBLG	JG 13-SBP-95	26-SRP-95	v	ø	990	50.0
SOIL BY	LM18	24DNP	DXZW0100	DV4S*289 OBJG	JG 11-SRP-95	27-SRP-95	v	v	ugg	0.0
SOIL BY	LM18	24DNP	DDZW0100	DV4S*400 OEJG	JG 11-SRP-95	28-SEP-95	v	9	000	0.0
IN SOIL BY	LM18	24DNP	KD570405	DV4S*436 OROG	3G 19-SEP-95	29-SBP-95	v	1.2	nge	0.0
BNA'S IN SOIL BY GC/MS	LM18	24DNP	EX570405	DV4S*104 OBOG	3G 19-SEP-95	29-SEP-95	v	1.2	ned	0.0
					•		,	;		•
IN SOIL BY GC	I'WI'B	Z4DNI	BAAAAUZIS		•	T0-071-32	v	• T	3	
IN SOIL BY GC	LM18	24DNT	BDAX0215	DV4S*442 OFTG		10-0CT-95	v	.14	99	0.0
IN SOIL BY	LM18	24DNT	BXZW0100	DV4S*435 OBOG	C 19-SBP-95	30-SBP-95	v	۲.	DOG	0.0
IN SOIL BY GC	LM18	24DNT	BXZW0100	DV43*246 OROG	34 19-SEP-95	30-SBP-95	v	.7	nge	0.0
IN SOIL BY	LM18	24DNT	DD570300	DV4S*431 OBLG	JG 13-SRP-95	26-SBP-95	v	.7	ned	35.3
g	I.M18	24DNT	DX570300	DV4S*187 OKKG	(G 13-SRP-95	26-SBP-95	v		nac	35.3
IN SOIL BY GC	LM18	24DNT	DDZW0100	DV4S*400 OBJG	JG 11-SRP-95	28-SBP-95	v	. 7	ned	0.0
IN SOIL BY GC	IM18	24DNT	DXZW0100	DV4S*289 OEJG	JG 11-SEP-95	27-SBP-95	v	.7	990	0 0
IN SOIL BY GC	LM18	24DNT	RD570405	DV4S*436 OBOG	3G 19-SEP-95	29-SBP-95	v	.14	nod	0.0
IN SOIL BY GC	IM18	24DNT	KX570405	DV4S*104 OROG	X 19-SEP-95	29-SBP-95	V	.14	99	0.0
IN SOIL BY	LM18	26DNT	BXAX0215	DV48*217 OFTG	NG 27-8BP-95	10-0CT-95	v	. 085	nod	0.0
IN SOIL BY	LM18	26DNT	BDAX0215	DV4S*442 ORTG	NG 27-SRP-95	10-0CT-95	v	.085	990	0.0
IN SOIL BY	LM18	26DNT	BXZW0100	DV4S*246 OBOG	X 19-SRP-95	30-SRP-95	v	₹.	nee	0.0
IN SOIL BY GC	LM18	26DNT	BXZW0100	DV45*435 OBOG	OG 19-SRP-95	30-SBP-95	v	₹.	ned	0.0
IN SOIL BY GC	IM18	26DNT	DX570300	DV4S*187 OEKG	(G 13-SBP-95	26-SBP-95	v	œ.	ned	66.7
IN SOIL BY GC	LM18	26DNT	DD570300	DV4S*431 OBLG	JG 13-SRP-95	26-SEP-95	v	₹.	nod	66.7
IN SOIL BY GC	LM18	26DNT	DXZW0100		•	27-SBP-95	v	₹.	nec	0.0
IN SOIL BY GC	IM18	2 6 DNT	DDZW0100	DV4S*400 OEJG	IG 11-SRP-95	28-SBP-95	v	₹.	nge	0.0
SOIL BY GC	LM18	26DNT	RD570405	DV4S*436 OROG-	G- 19-SEP-95	29-SEP-95	v	.085	nec	0.0

Chemical Quality Control Report Installation: Fort Devens, MA (DV) Group 2, 7 Sites

Method Description	IRDMIS Method Code	Test	IRDMIS Field Sample Number	Lab	Š	Sample Date	Analysis Date	,	7 miles	1	G
								, !			
BNA'S IN SOIL BY GC/MS	LM18	26DNT	EXS70405	DV4S*104	OROG	19-SRP-95	29-SBP-95	v	. 085	nod Den	0.0
Ä	LM18	2CLP	BXAX0215	DV4S*217	OFIG	27-SRP-95	10-0CT-95	v	90.	ned	0.0
IN SOIL BY	I-M18	2CLP	BDAX0215		ORTG	27-SBP-95	10-0CI-95	v	90.	000	0.0
IN SOIL BY	LM18	2CLP	BXZW0100	DV4S*435	OROG	19-SEP-95	30-SRP-95	v	۳.	nee	0.0
IN SOIL BY	LM18	2CLP	BXZW0100	DV4S*246	OROG	19-SEP-95	30-SBP-95	v	۳.	nee	0.0
IN SOIL BY	LM18	2CLP	DX570300	DV4S*187	OEKG	13-SRP-95	26-SRP-95	v	9.	nee	66.7
IN SOIL BY	LM18	2CLP	DD\$70300	DV48*431	ORLG	13-SEP-95	26-SBP-95	v	ĸ.	nea	66.7
IN SOIL BY GC	LM18	2CLP	DDZW0100	DV4S*400	OEJG	11-3EP-95	28-SBP-95	•	ĸ.	nee	0.0
IN SOIL BY GC	LM18	2CLP	DXZW0100	DV4S*289	OEJG	11-SEP-95	27-SBP-95	v	ĸ.	nag	0.0
SOIL BY GC	LM18	2CLP	RD570405	DV4S*436	OEOG	19-SBP-95	29-3BP-95	v	90.	nee	0.0
BNA'S IN SOIL BY GC/MS	IM18	2CLP	EXS70405	DV4S*104	OROG	19-SEP-95	29-SBP-95	v	90.	ned	0.0
BNA'S IN SOIL BY GC/MS	I.M18	2 CNAP	BXAX0215	DV4S*217	OKTO	27-SRP-95	10-0CT-95	•	920	i con	c
SOIL BY	LM18	2CNAP	BDAX0215	DV4S*442	OFTG	27-SBP-95	10-0CT-95		.036	000	0.0
IN SOIL BY	LM18	2 CNAP	BXZW0100	DV4S*246	OBOG	19-SRP-95	30-SBP-95	•	7	ned	0.0
IN SOIL	IM18	2 CNAP	BXZW0100	DV4S*435	OBOG	19-SEP-95	30-SBP-95	v	4	ned	0.0
SOIL BY	IM18	2 CNAP	DX570300	DV4S*187	OEKG	13-SEP-95	26-SBP-95	v	₹.	ned	66.7
IN SOIL	LM18	2CNAP	DD570300	DV4S*431	ORIG	13-SEP-95	26-SBP-95	•	7	000	66.7
SOIL BY	LM18	2CNAP	DXZW0100		ORUG	11-3BP-95	27-SBP-95	v	7	noe	0.0
IN SOIL BY	IM18	2 CNAP	DDZW0100	DV4S*400	OBJG	11-SBP-95	28-SRP-95	•	ij	000	0.0
IN SOIL	LM18	2 CNAP	KD570405	DV48*436	OROG	19-SBP-95	29-8BP-95	•	.036	000	0.0
BNA'S IN SOIL BY GC/MS	LM18	2CNAP	EX570405	DV4S*104	OROG	19-SRP-95	29-SBP-95	v	.036	990	0.0
IN SOIL BY	LM18	2MNAP	BXAX0215	DV48*217	OFTG	27-SBP-95	10-0CT-95	v	.049	pen	0.0
BNA'S IN SOIL BY GC/MS	LM18	2 MINAP	BDAX0215	DV4S*442	OFF	27-SEP-95	10-0CI-95	v	.049	ned	0.0
IN SOIL BY	IM18	2MNAP	BXZW0100		OBOG	19-SBP-95	30-8RP-95	v	7	990	0.0
IN SOIL BY	LM18	2MNAP	BXZW0100		OROG	19-SEP-95	30-SBP-95	v	7	nge	0.0
IN SOIL BY	LM18	2MNAP	DX570300	DV4S*187	OKKG	13-SRP-95	26-SBP-95	v	ĸ.	ugg.	85.7
IN SOIL BY	LM18	2MNAP	DD570300		ORIG	13-SRP-95	26-SBP-95	•	7	næ	85.7
IN SOIL BY GO	LM18	2MNAP	DDZW0100	DV4S*400	OBJG	11-SEP-95	28-SBP-95	•	4	000	0.0
BNA'S IN SOIL BY GC/MS	LM18	2MNAP	DXZW0100	DV4S*289	ORUG	11-SEP-95	27-SBP-95	v	7	UGG	0.0
IN SOIL BY	LM18	2MNAP	RD570405	DV4S*436 OBOG	DOE:	19-SRP-95	29-SRP-95	v	.049	000	0.0

Chemical Quality Control Report Installation: Fort Devens, MA (DV) Group 2, 7 Sites

Method Description	IRDMIS Method Code	Test Name	IRDMIS Field Sample Number	Lab Number	Ę	Sample Date	Analysis Date	٧	Value	Value Units	RPD
BNA'S IN SOIL BY GC/MS	1.M18	2MNAP	EX570405	DV48*104 0ROG	OROG	19-SRP-95	29-SRP-95	; ; • v	.049	ng.	0.0
BNA'S IN SOIL BY GC/MS	I.M18	ZMP	BXAX0215	DV4S*217	OFTG	27-SBP-95	10-0CT-95	v	.029	990	0.0
IN SOIL BY	LM18	2MP	BDAX0215	DV48*442	ORTG	27-SBP-95	10-0CT-95	v	.029	000	0.0
IN SOIL BY	LM18	2MP	BXZW0100	DV4S*246	OROG	19-SRP-95	30-SEP-95	v	۲.	nee	0.0
BNA'S IN SOIL BY GC/MS	IM18	2MP	BXZW0100	DV4S*435	OBOG	19-SBP-95	30-SBP-95	v	۲:	nec	0.0
SOIL BY	LM18	ZMP	DX570300	DV43*187	ORKG	13-SRP-95	26-SRP-95	v	ď.	DOG	100.0
SOIL BY	LM18	2MP	DD570300	DV4S*431	ORIG	13-SEP-95	26-SBP-95	v	τ:	nge	100.0
BNA'S IN SOIL BY GC/MS	I-M18	2MP	DXZW0100	DV4S*289	OBJG	11-SBP-95	27-SRP-95	v	τ:	nae	0.0
SOIL BY	LM18	ZMP .	DDZW0100	DV4S*400	ORJG	11-SRP-95	28-SEP-95	v	ਜ਼	nee	0.0
BNA'S IN SOIL BY GC/MS	LM18	2MP	ED570405	DV4S*436	OBOG	19-SRP-95	29-SRP-95	v	.029	nee	0.0
BNA'S IN SOIL BY GC/MS	LM18	2MP	KX570405	DV4S*104	OROG	19-3EP-95	29-SEP-95	v	.029	nec	0.0
DMAIG TH GOTT, BY GO /MG	7.8410	2WBWTT.	RYBYO715	71748*217	2	27920-9E	10.00	,	690	2511	c
TN SOTT. BY G	181	SNANTI.	BDAY0215		OFFICE	27-SRD-95	10-07-95	, ,	062	120	
TN COTT BY		2 NaME	BYZWOIDO		200	10-920-95	20-92D-95	, ,		200	
TN COTT. BY	TWIE	2Manti.	BY ZWO 100		2020	19-320-95	30-38D-05	, ,	; -	150	
TN SOTT. BY	1M18	2NANTI.	DX570300		ORKG	13-SRP-95	26-3RP-95	, v	. 4	200	2.99
IN SOIL	IM18	2NANIL	DD570300		ORIG	13-SRP-95	26-SRP-95	· v	, uj	000	66.7
IN SOIL BY	LM18	2NANIL.	DDZW0100		OEJG	11-SBP-95	28-SEP-95	v	ų	nee	0.0
IN SOIL BY	LM18	2NANIL	DXZW0100	DV45*289	OEJG	11-SBP-95	27-SBP-95	v	'n.	nee	0.0
IN SOIL BY	IM18	ZNANIL	RD570405	DV48*436	OROG	19-SEP-95	29-SRP-95	v	.062	990	0.0
IN SOIL BY	LM18	2NANIL	EX570405	DV4S*104	OROG	19-3RP-95	29-SRP-95	v	.062	DOD	0.0
BNA'S IN SOIL BY GC/MS	LM18	2NP	BXAX0215	DV4S*217	ORIG	27-SBP-95	10-0CT-95	v	.14	nec	0.0
IN SOIL BY	LM18	2NP	BDAX0215	DV4S*442	ORIG	27-SBP-95	10-0CT-95	v	.14	nge	0.0
IN SOIL BY	LM18	2NP	BXZW0100	DV4S*246	OROG	19-SBP-95	30-SRP-95	v	.7	nee	0.0
IN SOIL BY	LM18	2NP	BXZW0100	DV4S*435	OROG	19-3RP-95	30-SEP-95	v	.7		0.0
SOIL BY	IM18	ZNP	DD570300	DV48*431	ORLG	13-SRP-95	26-SBP-95	v	.7	nec	35.3
BNA'S IN SOIL BY GC/MS	LM18	ZNP	DX570300	DV4S*187	ORKG	13-SRP-95	26-SRP-95	v	-	nea	35.3
SOIL BY	IM18	2NP	DXZM0100	DV45*289	OBJG	11-SBP-95	27-SBP-95	v	.7	nge	0.0
	LM18	ZNP	DDZW0100	DV4S*400	OKJG	11-SBP-95	28-SBP-95	v	.7	nee	0.0
BNA'S IN SOIL BY GC/MS	IM18	2NP	RD570405	DV43*436	OBOG	19-SEP-95	29-SEP-95	v	.14	DOC	0.0

Chemical Quality Control Report Installation: Port Devens, MA (DV) Group 2, 7 Sites

Method Description	IRDMIS Method Code	Test Name	IRDMIS Field Sample Number	Lab Number	15	Sample Date	Analysis Date	٧	Value	Value Units	RPD
BNA'S IN SOIL BY GC/MS	IM18	2NP	EX570405	DV45*104 OROG	OBOG	19-SBP-95	29-SBP-95	v	.14	t pen	0.0
BNA'S IN SOIL BY GC/MS	LM18 LM18	2TMPD 2TMPD	BXZW0100 BXZW0100	DV4S+246 OBOG	OROG	19-SEP-95	30-SEP-95		10 ~	000	50.0
IN SOIL BY	1.418	33DCBD	BXAX0215	DV48#217	ORTE	27-SRP-95	36-110-01	,	, ,	3 2	
BY	LM18	33DCBD	BDAX0215		OFTG	27-SEP-95	10-0CI-95	, v	. 6	3 2	0.0
IN SOIL BY	LM18	33DCBD	BXZW0100	DV4S*246	OROG	19-SBP-95	30-SEP-95	v	30	pen	0.0
SOIL BY	IM18	33DCBD	BXZW0100	DV4S*435	OBOG	19-SEP-95	30-SBP-95	v	30	nge	0.0
IN SOIL BY	LM18	33DCBD	DX570300		ORKG	13-SBP-95	26-SEP-95	v	9	nad	66.7
IN SOIL BY	LM18	33DCBD	DD570300		ORIG	13-SEP-95	26-SBP-95	v	30	nag	66.7
IN SOIL BY	LM18	33DCBD	DDZW0100		OBJG	11-SRP-95	28-SEP-95	v	30	nag	0.0
IN SOIL BY	LM18	33DCBD	DXZW0100		ORJG	11-SRP-95	27-SBP-95	v	30	nac	0.0
	LM18	33DCBD	RD570405	DV48*436	OROG	19-SEP-95	29-SEP-95	v	6.3	ted	0.0
IN SOIL	LM18	33DCBD	EX570405	DV4S*104	OROG	19-SEP-95	29-SEP-95	v	6.3	990	0.0
BNA'S IN SOIL BY GC/MS	LM18	3 NANI L	BXAX0215	DV4S*217	ORTG	27-SBP-95	10-0CT-95	v	.45	000	0.0
IN SOIL BY	LM18	3NANIL	BDAX0215		ORIG	27-SBP-95	10-0CT-95	v	.45	pgg	0.0
IN SOIL BY	LM18	3 NANIL	BXZW0100	DV48*435	OROG	19-SEP-95	30-SBP-95	v	~	990	0.0
IN SOIL BY	LM18	3 NANIL	BXZW0100	DV4S*246	OROG	19-SRP-95	30-SBP-95	v	4	500	0.0
IN SOIL	LM18	3NANIL	DX570300	DV45*187	OKKG	13-SRP-95	26-SRP-95	v	4	Den	66.7
IN SOIL BY	LM18	3NANIL	DD570300	DV48*431	OBIC	13-SRP-95	26-SRP-95	v	7	200	66.7
IN SOIL BY	LM18	3NANIL	DXZW0100		OBJG	11-SEP-95	27-SBP-95	v	7	990	0.0
IN SOIL BY	I.M.18	BNANIE	DDZW0100	DV4S*400	OBJG	11-SBP-95	28-SEP-95	v	71	nag	0.0
IN SOIL BY	LM18	3NANIL	ED570405	DV43*436	OROG	19-SBP-95	29-SBP-95	v	.45	nag	0.0
	LM18	3NANIL	EX570405	DV4S*104	OROG	19-SEP-95	29-SEP-95	•	.4 5	nod	0.0
IN SOIL BY	IM18	46DN2C	BXAX0215	DV4S*217	OFTG	27-SBP-95	10-0CT-95	v	.55	nge	0.0
IN SOIL BY	LM18	46DN2C	BDAX0215	DV4S*442	OFIG	27-SRP-95	10-0CT-95	v	. 55	000	0.0
IN SOIL	LM18	46DN2C	BXZW0100	DV4S*246	OBOG	19-SEP-95	30-SEP-95	v	m	990	0.0
SOIL BY	IM18	46DN2C	BXZW0100		OBOG	19-SBP-95	30-SEP-95	v	m	ge	0.0
IN SOIL BY	LM18	46DN2C	DX570300		OKKG	13-SBP-95	26-SBP-95	•	•	DEG	66.7
SOIL	LM18	46DN2C	DD570300	DV48*431	OBIG	13-SRP-95	26-SEP-95	v	m	nac	66.7

Chemical Quality Control Report Installation: Fort Devens, MA (DV) Group 2, 7 Sites

Method Description	IRDMIS Method Code	Test Name	IRDMIS Field Sample Number	Lab Number L	<u>ک</u> اک	Sample Date	Analysis Date	; V :	Value	Unite	RPD
BNA'S IN SOIL BY GC/MS	LM18	46DN2C	DDZW0100	0	ORJG	11-SBP-95	28-SEP-95	v	m	nge	0.0
IN SOIL BY	LM18	46DN2C	DXZW0100	DV4S*289 0	ORJG	11-SRP-95	27-SRP-95	v	m	nee	0.0
IN SOIL BY	LM18	46DN2C	RD570405	DV48*436 0	OROG	19-SBP-95	29-SBP-95	v	.55	Ded	0.0
IN SOIL	LM18	46DN2C	EX570405	DV45*104 0	OROG	19-SBP-95	29-SEP-95	v	. 55	nge	0.0
BNA'S IN SOIL BY GC/MS	LM18	4BRPPB	BXAX0215	DV48*217 0	ORIG	27-SRP-95	10-0CI-95	v	.033	003	0.0
TN SOTE BY	LM18	4BRPPB	BDAX0215		OFIG	27-SBP-95	10-0CI-95	v	.033	nge	0.0
IN SOIL BY	LM18	4BRPPB	BXZW0100	DV48*435 0	OROG	19-SBP-95	30-SEP-95	v		nge	0.0
IN SOIL	LM18	4BRPPB	BXZW0100	DV4S*246 0	OROG	19-SEP-95	30-SEP-95	v	.2	000	0.0
IN SOIL BY	LM18	4BRPPB	DXS70300	DV43*187 0	OEKG	13-SRP-95	26-SRP-95	v	e.	nec	40.0
IN SOIL BY	LM18	4BRPPB	DD570300	DV48*431 0	ORLG	13-SBP-95	26-SEP-95	v	7	ngg	40.0
IN SOIL BY	LM18	4BRPPB	DXZW0100	DV45*289 0	ORJG	11-SEP-95	27-SBP-95	v	7	000	0.0
IN SOIL BY	LM18	4BRPPB	DDZW0100	DV4S*400 O	ORJG	11-SBP-95	28-SEP-95	v	.2	000	0.0
IN SOIL BY	LM18	4BRPPB	ED570405	DV4S*436 0	OROG	19-SBP-95	29-SEP-95	v	.033	000	0.0
ä	IM18	4BRPPB	EX570405	DV4S*104 0	OBOG	19-SEP-95	29-SEP-95	v	.033	ngg	0.0
	2	4CBNTT	BY3Y021E	DV48*217	STEE C	27-SRD-95	10-0CT-95	٧	.81	nge	0.0
IN SOLL BI	1.810	4CANTI.	RDAX0215		OKT	27-SRP-95	10-0CT-95	٠,	.81	000	0.0
	TMIR	4CANTI.	RXZW0100	-	OROG	19-SBP-95	30~SBP-95	v	*	nag	0.0
TN SOTT, RV	LW18	4CANIL	BXZW0100		OBOG	19-SBP-95	30-SEP-95	v	4	DGC	0.0
TN SOIL BY	LM18	4CANIL	DX570300	DV4S*187 0	OEKG	13-SBP-95	26-SRP-95	v	∞	nag	66.7
IN SOIL BY	LM18	4CANIL	DD570300		ORLG	13-SRP-95	26-SRP-95	v	4	ned	66.7
IN SOIL BY	LM18	4CANIL	DDZW0100	DV4S*400 0	ORJG	11-SEP-95	28-SEP-95	v	*	nee	0.0
IN SOIL BY	LM18	4CANIL	DXZW0100	DV45*289 0	ORJG	11-SBP-95	27-SBP-95	v	*	000	0.0
IN SOIL BY	IM18	4CANIL	RD570405	DV48*436 0	OROG	19-SBP-95	29-SEP-95	v	.81	000	0.0
IN SOIL BY	LM18	4CANIL	RX570405	DV48*104 0	OROG	19-SRP-95	29-SRP-95	v	.81	9	0.0
BNA GC/MS	I.M.1 8	40130	BXAX0215	DV48*217 0	ORTG	27-SBP-95	10-0CT-95	v	.095	000	0.0
TN SOTT. BY	1,418	4ctac	BDAX0215		OFIG	27-SRP-95	10-0CT-95	v	. 095	noc	0.0
TN SOIL BY	LM18	4c13c	BXZW0100	DV4S*435 0	OROG	19-SEP-95	30-SBP-95	v	'n	nee	0.0
IN SOIL BY	LM18	4c13c	BXZW0100	DV45*246 0	OROG	19-SBP-95	30-SEP-95	v	ī.	nge	0.0
IN SOIL BY	LM18	4c13c	DD570300	DV45*431 0	ORLG	13-SBP-95	26-SBP-95	v	ĸ.	000	66.7
IN SOIL	LM18	4c13c	DX570300	DV4S*187 0	ORKG	13-SRP-95	26-SEP-95	v	.	920	66.7

Chemical Quality Control Report Installation: Fort Devens, MA (DV) Group 2, 7 Sites

Method Description	IRDMIS Method Code	Test	IRDMIS Field Sample Number	Lab Number	Ę	Sample Date	Analysis Date	v	Value	Value Unite	RPD
BNA'S IN SOIL BY GC/MS	LM18	4ctac	DDZW0100	DV43*400 OBJG	ORJG	11-SEP-95	28-SBP-95			nag	0.0
IN SOIL BY	LM18	4cL3c	DXZW0100	DV4S*289	OBJG	11-SEP-95	27-SBP-95	v	'n	990	0.0
BNA'S IN SOIL BY GC/MS	LM18	4cr3c	RD570405	DV4S*436 OBOG	OROG	19-SBP-95	29-SBP-95	v	. 095	ngg	0.0
IN SOIL BY	LM18	€cI3¢	EX570405	DV4S*104 OBOG	OBOG	19-SRP-95	29-SRP-95	v	.095	DED.	0.0
BNA'S IN SOIL BY GC/MS	LM18	4CLPPB	BXAX0215	DV4S*217 OFIG	ORTG	27-SBP-95	10-0CT-95	v	.033	pen	0.0
IN SOIL BY	IM18	4CLPPB	BDAX0215	DV48*442 ORTG	ORTG	27-SBP-95	10-0CT-95	v	.033	99	0.0
IN SOIL BY	LM18	4CLPPB	BXZW0100	DV48*246	OBOG	19-SBP-95	30-SBP-95	v	ij	000	0.0
IN SOIL BY	LM18	4CLPPB	BXZW0100	DV4S*435	OROG	19-SBP-95	30-SBP-95	v	4	990	0.0
BNA'S IN SOIL BY GC/MS	LM18	4CLPPB	DX570300	DV4S*187	OKKG	13~8BP-95	26-SBP-95	v	E.	99	40.0
BNA'S IN SOIL BY GC/MS	LM18	4CLPPE	DD570300	DV4S*431	OBLG	13-SBP-95	26-SBP-95	v	7	nag	40.0
BNA'S IN SOIL BY GC/MS	LM18	4CLPPB	DDZW0100	DV4S*400	ORJG	11-SBP-95	28-SRP-95	v	4	pen	0.0
IN SOIL BY	LM18	4CLPPB	DXZW0100	DV43*289	OBJG	11-SBP-95	27-SBP-95	•	4	ned	0.0
BNA'S IN SOIL BY GC/MS	LM18	4CLPPB	RD570405	DV43*436	OROG	19-SBP-95	29-SRP-95	•	.033	nag	0.0
BNA'S IN SOIL BY GC/MS	IM18	4CLPPB	EX570405	DV4S*104	OBOG	19-SBP-95	29-SBP-95	v	.033	nag	0.0
on/or ag the state of state	2	ş	2440044	1 10 40 7/24		0.000	10	,	7	5	c
IN SOLD BY			DAMAGE	/ TT- Ch.A.		20 410 10	E5-130-01	,	•	3	
IN SOIL BY	TW10	1	BUAK0215	DV4S*442	OBJE	2/-SBP-95	10-0CI-95	v ·	*	3 5	
IN SOLL BI	9161	404	DA CHOLOO		300	19-000-01	20-000-00	,	٠.	3 5	
IN SOLL BY		444	OCCUPANT	DV45*240		13-386-33	30-386-33	,	4 6	3 5	9 5
IN SOIL BY	818	A E	DAS/0300	DV43*IB/	S CHANGE	13-386-33	20-388-33	v ·	۷,	3	
IN SOIL BY	1418	4mF	0050/500	DV45*431	OBING.	13-38F-95	26-382-35	v -	٠,	3 !	. 60
ENA'S IN SOIL BY GC/MS	818 1218	436	DDZWOIOO	DV43*400	9 20	11-SEP-95	28-887-95	v ·	- ·	3 2	
TO TION NI	975	111	TO TO TO TO	507-5510		06-386-77	20.000.00	, ,	1 ?	3 5	•
	1410	AND AND	M270405	767494104	200	19-020-05	20-02D-0C	v	7,	3 5	
IG PITOS NI			COLO (EVE		3	CC 380 CT	0000	,	Ï	}	•
BNA'S IN SOIL BY GC/MS	1418	4NANIL	BXAX0215	DV48*217 OFTG	OKIG	27-SBP-95	10-0CT-95	v	.41	nac	0.0
BNA'S IN SOIL BY GC/MS	LM18	4NANIL	BDAX0215	DV4S*442	ORIG	27-SBP-95	10-0CT-95	v	.41	000	0.0
BNA'S IN SOIL BY GC/MS	LM18	4NANIL	BXZW0100	DV43*246	OROG	19-SBP-95	30-SRP-95	v	~	noc	0.0
BNA'S IN SOIL BY GC/MS	LM18	4NANIE	BXZW0100	DV4S*435	OEOG	19-SRP-95	30-SBP-95	v	8	990	0.0
IN SOIL BY	LM18	4NANIL	DX570300	DV4S*187	OEKG	13-SEP-95	26-SEP-95	v	•	nge	66.7
Z	LM18	4NANIL	DD570300	DV4S*431	ORLG	13-SBP-95	26-SRP-95	v	7	000	66.7

Chemical Quality Control Report Installation: Fort Devens, MA (DV) Group 2, 7 Sites

	SAMPLES)
2, 7 Sites	(NON-FILTERED
Group	DUPLICATES
	SAMPLE

Method Description	IRDMIS Mathod Code	Test Name	IREMIS Field Sample Number	Lab Number Lot	Sample Date	Analysis Date	V	Value	Unite	RPD
BNA'S IN SOIL BY GC/MS	LM18	4NANIL	DDZW0100	DV48*400 OBJG	11-SBP-95	28-SRP-95	v	7	990	0.0
RNA'S IN SOIL BY GC/MS	LM18	4NANIL	DXZW0100	DV4S*289 OBJG	11-SBP-95	27-SRP-95	v	74	ned	. 0.0
RNA'S IN SOIL BY GC/MS	LM18	4NANIL	RD570405	DV4S*436 OBOG	19-SBP-95	29-SBP-95	v	.41	ned	0.0
BNA'S IN SOIL BY GC/MS	LM18	4NANIL	EX570405	DV43*104 OROG	19-SRP-95	29-SEP-95	v	.41	000	0.0
RNA'S IN SOIL BY GC/MS	1,418	dy.	BXAX0215	DV48*217 ORTG	27-3BP-95	10-OCT-95	v	1.4	ugg	0.0
IN SOIL BY	LM18	4NP	BDAX0215	DV45*442 OBTG	27-SBP-95	10-0CT-95	v	1.4	990	0.0
BNA'S IN SOIL BY GC/MS	LM18	4NP	BXZW0100	DV4S*435 OBOG	19-SEP-95	30-SBP-95	v	7	990	0.0
BNA'S IN SOIL BY GC/MS	LM18	4NP	BXZW0100	DV43*246 OBOG	19-SBP-95	30-SBP-95	v	7	nee	0.0
2	LM18	4NP	DX570300	DV4S*187 OEKG	13-SRP-95	26-SBP-95	v	10	nee	35.3
_ ≥	LM18	4NP	DD570300	DV4S*431 ORLG	13-SBP-95	26-SBP-95	v	7	nee	35.3
≥	LM18	4NP	DDZW0100	DV48*400 OBJG	11-SBP-95	28-SBP-95	v	7	ngg	0.0
N SOIL	IM18	4NP	DXZW0100	DV45*289 OBJG	11-SRP-95	27-SEP-95	v	7	000	0.0
IN SOIL BY	LM18	4NP	ED570405	DV48*436 OBOG	19-SRP-95	29-SBP-95	v	1.4	990	0.0
BNA'S IN SOIL BY GC/MS	LM18	4NP	EX570405	DV4S*104 OROG	19-SRP-95	29-SRP-95	v	1.4	DOD .	0.0
		Chief.	3100%4%4	ENT-00 7 10404787	27-42D-95	10-04	•	27	123	0.0
BAA'S IN SOLL BE GC/MS	1110	North	BDAY0215		27-SRP-95	10-007-95	, v	.27	nge	0.0
BAR'S IN SOLL BY GC/MS	1810	ABHC	BXZW0100		19-SEP-95	30-SEP-95		-	993	0.0
BUAN S IN SOLL BY GC/MS	T.M.1 B	PEHC	BX ZW0100		19-SEP-95	30-SRP-95		. 	990	0.0
BNA 12 TN SOTT, BY GC/MS	LM18	ABHC	DX570300		13-SRP-95	26-SEP-95	v	m	nge	100.0
RNA'S IN SOIL BY GC/MS	LM18	ABHC	DD570300	DV4S*431 ORLG	13-SEP-95	26-SEP-95	v	+	UGG	100.0
BNA'S IN SOIL BY GC/MS	LM18	ABHC	DDZW0100	DV4S*400 OBJG	11-SEP-95	28-SBP-95	v	-	nge	0.0
2	LM18	ABHC	DXZW0100	DV4S*289 ORJG	11-SRP-95	27-SBP-95	v	~	000	0.0
젊	LM18	ABHC	RD570405	DV4S*436 OROG	19-SEP-95	29-SRP-95	v	.27	nee	0.0
BNA'S IN SOIL BY GC/MS	LM18	ABHC	EX570405	DV4S*104 OBOG	19-SRP-95	29-SRP-95	v	.27	000	0.0
ON/ SE ARE SECURIS	1 11 0	Naci	RYBY0915	TIV4S#217 ORTG	27-SRP-95	10-0CT-95	v	.33	000	0.0
SW/CO IS STOOM OF STANS	THIS	NACT DA	BDAX0215	DV4S*442 ORTG	27-SRP-95	10-0CT-95	v	.33	ngg	0.0
BNN O IN SOIL BY GC/MS	TMIR	ACLUAN	BXZW0100		19-SRP-95	30-SRP-95	v	71	nag	0.0
BNA 'S TN SOTT, BY GC/MS	1.M18	ACLDAN	BXZW0100	DV4S*246 OBOG	19-SEP-95	30-SRP-95	v	7	ned	0.0
BNA'S IN SOIL BY GC/MS	LM18	ACLDAN	DX570300		13-SEP-95	26-SEP-95	v	m	nec	40.0
BNA'S IN SOIL BY GC/MS	LM18	ACLDAN	DD570300		13-SEP-95	26-SRP-95	v	8	nge	40.0

Chemical Quality Control Report Installation: Fort Devens, MA (DV) Group 2, 7 Sites

Method Description	IRDMIS Method Code	Test Name	IRDMIS Field Sample Number	Lab Number	Sot	Sample Date	Analysis Date	v :	Value	Value Units	RPD
BX	LM18	ACLDAN	DDZW0100	8	OEJG	11-SBP-95	28-SBP-95	· v	~	990	0.0
SOIL BY	LM18	ACLDAN	DXZW0100	DV4S*289	OBJG	11-SRP-95	27-SBP-95	v	~	990	0.0
IN SOIL BY	LM18	ACLDAN	RD570405	DV43*436	OROG	19-SRP-95	29-SBP-95	v	.33	990	0.0
BNA'S IN SOIL BY GC/MS	LM18	ACLDAN	EX570405	DV4S*104	OROG	19-SBP-95	29-SEP-95	v	.33	nag	0.0
BNA'S IN SOIL BY GC/MS	LM18	ARNSLP	BXAX0215	DV4S*217 OFTG	OKIG	27-SRP-95	10-0CT-95	٧	.62	990	0.0
BNA'S IN SOIL BY GC/MS	LM18	AENSLP	BDAX0215	DV4S*442	OFTG	27-SBP-95	10-0CT-95	v	. 62	nod	0.0
SOIL BY	LM18	AENSLP	BXZW0100	DV4S*435	OBOG	19-SBP-95	30-SRP-95	v	e	000	0.0
BX	LM18	AENSLP	BXZW0100	DV48*246	OROG	19-SBP-95	30-SEP-95	v	e	000	0.0
IN SOIL BY	LM18	ARNSLP	DX570300	DV48*187	OEKG	13-SRP-95	26-SRP-95	v	ø	000	66.7
IN SOIL BY	IM18	ARNSLP	DD570300	DV4S*431	ORLG	13-3EP-95	26-SBP-95	v	m	000	66.7
IN SOIL BY	IM18	ARNSLP	DDZW0100	DV4S*400	OEJG	11-SEP-95	28-SEP-95	v	m	ngg	0.0
BNA'S IN SOIL BY GC/MS	LM18	AENSLP	DX ZW0100	DV4S*289	ORJG	11-SEP-95	27-SBP-95	v	m	100	0.0
SOIL BY	LM18	ARNSLE	RD570405	DV48*436	OBOG	19-SBP-95	29-SEP-95	v	.62	000	0.0
BNA'S IN SOIL BY GC/MS	IM18	AENSIL	EX570405	DV43*104	OBOG	19-SEP-95	29-SEP-95	v	. 62	ngg	0.0
DE/ CO NA TION NI DIKNO	7.810	MOUTE	DYNAM	Trive 0 + 1 + 1 + 1	į	20 000 00		,	F		•
100		NOU IN	DAMAGETS	145-647	9 10	27 400 05	10-001	۷ ،	j ;	3 :	9 6
IN SOLL BY	1418	ALDEN	BURAU215	DV4SF442	9190	27-38E-95	10-0CI-95	v ·	£. (9	0.0
IN SOLL BY	1418	ALDRA	DAZMOTOO	DV45*435		19-382-95	30-38E-95	v ·	N (3	0.0
IS TIOS NI	818	ALDKN	BAZWOIDO	UV43*246	201	19-282-95	30-SKP-95	v	71	9	0.0
IN SOIL BY	EM18	ALDRA	DX570300	DV4S*187 OKKG	OKKG	13-38P-95	26-SEP-95	v	m	B	40.0
IN SOIL BY	IM18	ALDRN	DD570300	DV48*431	ORIG	13-SEP-95	26-SEP-95	v	~	000	40.0
IN SOIL BY	LM18	ALDRN	DDZW0100		OBJG	11-SBP-95	28-SBP-95	v	7	DEC	0.0
IN SOIL BY	LM18	ALDRN	DXZW0100	DV45*289	OBJG	11-SEP-95	27-SBP-95	v	~	nge	0.0
SOIL BY	LM18	ALDRN	KD570405	DV4S*436	OROG	19-SEP-95	29-SBP-95	v	.33	ngd	0.0
BNA'S IN SOIL BY GC/MS	IM18	ALDRN	EXS70405	DV48*104 OROG	OROG	19-SRP-95	29-SEP-95	v	.33	nge	0.0
BNA'S IN SOIL BY GC/HS	LM18	ANAPNE	BXAX0215	DV48*217	ORTG	27-SBP-95	10-0CT-95	٧	.036	pen	0
IN SOIL BY	LM18	ANAPNB	BDAX0215	DV48*442	OFIG	27-SBP-95	10-0CT-95		.036	nge C	0.0
SOIL BY	LM18	ANAPNB	BXZW0100	DV4S*246	OROG	19-SEP-95	30-SEP-95	v	7	990	0.0
βX	LM18	ANAPNE	BXZW0100	DV45*435	OROG	19-SEP-95	30-SBP-95	v	7	nge	0.0
SOIL BY	IM18	ANAPNB	DX570300	DV4S*187	OEKG	13-SEP-95	26-SBP-95	v	₹.	000	66.7
BNA'S IN SOIL BY GC/MS	IM18	ANAPNE	DD570300	DV48*431	ORIG	13-SEP-95	26-SRP-95	v		ned	66.7
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Chemical Quality Control Report Installation: Fort Devens, MA (DV) Group 2, 7 Sites

Method Description	IRDMIS Method Code	Test Name	IRDMIS Field Sample Number	Lab Number I	Ş	Sample Date	Analysis Date	· v	Value	Value Units	RPD
BNA'S IN SOIL BY GC/MS	LM18	ANAPNE	DXZW0100	DV4S*289 C	ORJG	11-SBP-95	27-SEP-95	v	Ġ	UGG	0.0
BNA'S IN SOIL BY GC/MS	LM18	ANAPNB	DDZW0100	DV45*400 C	OBJG	11-SBP-95	28-SRP-95	v	7	nee	0.0
IN SOIL BY	LM18	ANAPNB	BD570405	DV45*436 C	OROG	19-SBP-95	29-SBP-95	v	.036	ned	0.0
Z	IM18	ANAPNE	EX570405	DV4S*104 C	OROG	19-SEP-95	29-SRP-95	v	.036	næ	0.0
BNA'S IN SOIL BY GC/MS	LM18	ANAPYL	BXAX0215	DV49*217 C	OKTG	27-SRP-95	10-0CT-95	v	.033	nee	0.0
IN SOIL BY G	LM18	ANAPYL	BDAX0215	DV4S*442 C	ORTG	27-SBP-95	10-0CT-95	v	. 033	DOO	0.0
IN SOIL BY	LM18	ANAPYL	BXZW0100	DV4S*435 C	OROG	19-SBP-95	30-SEP-95	v	7	nee	0.0
IN SOIL BY G	LM18	ANAPYL	BXZW0100	DV4S*246 C	OROG	19-SEP-95	30-SBP-95	v	7	DOG	0.0
BNA'S IN SOIL BY GC/MS	LM18	ANAPYL	DX570300	DV4S*187 C	OEKG	13-SEP-95	26-SBP-95	v	e.	nad	40.0
	LM18	ANAPYL	DD570300	DV4S*431 C	ORLG	13-SBP-95	26-SBP-95	v	ij	nge	40.0
BNA'S IN SOIL BY GC/MS	LM18	ANAPYL	DDZW0100	DV4S*400 C	OBJG	11-SRP-95	28-SRP-95	v	7	UGG	0.0
SOIL BY	LM18	ANAPYL	DXZW0100	DV4S*289 C	ORJG	11-SBP-95	27-SBP-95	v	4	nee	0.0
BNA'S IN SOIL BY GC/MS	LM18	ANAPYL	RD570405	DV4S*436 C	OROG	19-SEP-95	29-SRP-95	v	. 033	ned	0.0
BNA'S IN SOIL BY GC/MS	LM18	ANAPYL	EX570405	DV4S*104 C	OROG	19-SEP-95	29-SEP-95	v	. 033	gg	0.0
2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2		7	4	7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7		000	100	,	2	54.	6
IN SOLL BI	914	ANTRO	DAMA0413		910	27 000 01	10-00-01	۷ ،		3	
IN SOIL BY	916	ANIKC	BUANUZIS		5 TS	CK-385-17	10-07 10-07	v		3	
IN SOIL	IM18	ANTRO	BXZW0100		OBOG	19-SEP-95	30-SEP-95	v	ų.	9	0.0
IN SOIL BY	LM18	ANTRC	BXZW0100		OROG	19-SBP-95	30-SBP-95	v	7	nee	0.0
SOIL BY	LM18	ANTRC	DX570300		OEKG	13-SEP-95	26-SBP-95	v	ų.	UGG	40.0
BNA'S IN SOIL BY GC/MS	LM18	ANTRC	DD570300	DV4S*431 0	OELG	13-SBP-95	26-SBP-95	v	4	000	40.0
BNA'S IN SOIL BY GC/MS	LM18	ANTRC	DXZW0100	DV4S*289 C	OBJG	11-SBP-95	27-SRP-95	v	4	ned	0.0
ENA'S IN SOIL BY GC/MS	LM18	ANTRC	DDZW0100	DV4S*400 C	OBJG	11-SEP-95	28-SEP-95	v	7	nge	0.0
	LM18	ANTRC	RD570405	DV4S*436 0	OROG	19-SBP-95	29-SEP-95	v	.033	UGG	0.0
BNA'S IN SOIL BY GC/MS	IM18	ANTRC	EX570405	DV4S*104 C	OROG	19-SEP-95	29-SBP-95	v	.033	999	0.0
TW COTT. BV	1 110	WADOCO	BYAYOUS	TWAG+217 OFTE		37-900-95	10-01-01	,	9110	200	•
TO TITOO NT	1	DE CENTS	-	179-02-0	1	CC 100-14	70-07	,		3	
IN SOIL BY	LM18	B2CKXOM	BDAX0215		OETG	27-SBP-95	10-0CT-95	v.	.059	990	0.0
IN SOIL BY	LM18	B2CEXCM	BXZW0100	DV4S*435 C	OEOG	19-SBP-95	30-SEP-95	v	ŗ.	000	0.0
IN SOIL BY	LM18	B2CEXOM	BXZW0100	DV4S*246 C	OBOG	19-SRP-95	30-SRP-95	v	m.	nag	0.0
IN SOIL BY	LM18	B2CEXM	DX570300	DV4S*187 C	ORKG	13-SRP-95	26-SBP-95	v	9.	nge	66.7
BNA'S IN SOIL BY GC/MS	LM18	BZCEXM	DD570300	DV4S*431 0	ORIG	13-SRP-95	26-SEP-95	v	e.	nge	66.7

Chemical Quality Control Report Installation: Fort Devens, MA (DV) Group 2, 7 Sites

ě	IRDMIS Method Code	Test	IRDMIS Field Sample Number	Lab Number Lot	Sample Date	Analysis Date	v	Value	Unite	RPD
BNA'S IN SOIL BY GC/MS	LM18	BZCEXM	DDZW0100	DV4S*400 OBJG	11-SBP-95	28-SBP-95	·v	ų	nag	0.0
BNA'S IN SOIL BY GC/MS	LM18	B2CEXM	DXZW0100	DV4S*289 OEJG	11-SEP-95	27-SRP-95	v	e.	ngg	0.0
BNA'S IN SOIL BY GC/MS	LM18	B2CRXM	RD570405	DV45*436 OBOG	19-SRP-95	29-SBP-95	v	.059	naa	0.0
SOIL BY	LM18	B2CEXM	EX570405	DV4S*104 OBOG	19-SRP-95	29-SBP-95	v	.059	ngd ngd	0.0
BNA 12 AN ACTT. BY CE /MS	TANIA	ROCTOR	BXAX0215	DV48*217 ORTG	27-SRP-95	10-0CT-95	v	7	nec	0.0
TN SOTE BY	[M18	B2CIPE	BDAX0215		27-SBP-95	10-0CI-95	v	?	nge	0.
IN SOIL BY	LM18	B2CIPB	BXZW0100		19-SBP-95	30-SEP-95	v	н	nad	0.0
IN SOIL BY	IM18	B2CIPB	BXZW0100	DV4S*435 OBOG	19-SRP-95	30-SEP-95	v	н	DEC	0.0
IN SOIL BY	LM18	B2CIPB	DX570300	DV4S*187 OEKG	13-SEP-95	26-SRP-95	•	7	000	66.7
IN SOIL BY	LM18	B2CIPB	DD570300	DV4S*431 OBLG	13-SBP-95	26-SBP-95	v	7	990	66.7
IN SOIL BY	LM18	B2CIPB	DXZW0100	DV4S*289 OBJG	11-SBP-95	27-SEP-95	v	-	nge	0.0
IN SOIL BY	LM18	B2CIPB	DDZW0100	DV4S*400 ORJG	11-SBP-95	28-SBP-95	•	-	nge	0.0
BNA'S IN SOIL BY GC/MS	LM18	B2CIPB	ED570405	DV4S*436 OROG	19-SBP-95	29-SRP-95	v	7	nge	0.0
IN SOIL	LM18	B2CIPB	EX570405	DV4S*104 OROG	19-SBP-95	29-SBP-95	v	~	990	0.0
OM/ CO AR STICE ME SINNE	91361	aa. E. Ca	RYBYO715	M48*217 ORTH	27-9RP-95	10-0CT-95		.033	5021	0.0
TN SOTT. BY G	TMIR	R2CT.RR	RDAX0215		27-SRP-95	10-0CT-95		. 033	000	0.0
IN SOLL BY	1.M18	B2CLRR	BXZW0100	_	19-SBP-95	30-SBP-95		~	990	0.0
IN SOIL BY	LM18	B2CLEB	BXZW0100	_	19-SBP-95	30-SBP-95	v	7	noe	0.0
IN SOIL BY	LM18	B2CLBB	DX570300	DV4S*187 OEKG	13-SBP-95	26-SBP-95	v	m.	UGG	40.0
IN SOIL BY	LM18	B2CLEB	DD570300	DV4S*431 ORLG	13-SBP-95	26-SBP-95	v	7	ngo.	40.0
IN SOIL BY	LM18	B2CLEB	DDZW0100	DV4S*400 OBJG	11-SBP-95	28-SBP-95	v	7	nge	0.0
BNA'S IN SOIL BY GC/MS	LM18	B2CLBB	DXZW0100	DV4S*289 OBJG	11-SRP-95	27-SBP-95	v	7	ned	0.0
BNA'S IN SOIL BY GC/MS	LM18	B2CLBB	ED570405	DV4S*436 OBOG	19-SBP-95	29-SBP-95	v	.033	nee	0.0
BNA'S IN SOIL BY GC/MS	LM18	B2CLRB	EX570405	DV4S*104 OBOG	19-SEP-95	29-SBP-95	v	. 033	nac	0.0
BNA'S IN SOIL BY GC/MS	LM18	BZKHP	BDAX0215	DV4S*442 OBTG	27-SBP-95	10-0CT-95	v	.62	DOD	12.1
IN SOIL BY	LM18	B2EHP	BXAX0215	DV4S*217 OFFG	27-SBP-95	10-0CT-95		.7	UGG	12.1
IN SOIL	LM18	B2KHP	BXZW0100	DV43*246 OBOG	19-SEP-95	30-SBP-95	v	m	uge	0.0
IN SOIL BY	LM18	B2EHP	BXZW0100	DV4S*435 OROG	19-SBP-95	30-SBP-95	v	m	990	0.0
IN SOIL BY	LM18	BZEHP	DX570300	DV4S*187 OEKG	13-SBP-95	26-SBP-95	v	9	990	66.7
IN SOIL BY	IM18	B2EHP	DD570300	DV4S*431 ORLG	13~SRP-95	26-SBP-95	v	m	990	66.7

Chemical Quality Control Report Installation: Fort Devens, MA (DV) Group 2, 7 Sites

Method Description	IRDMIS Method Code	Test Name	IRDMIS Field Sample Number	Lab Number L	Lot	Sample Date	Analysis Date	V	Value	Value Units	RPD
BNA'S IN SOIL BY GC/MS	LW18	B2BHP	DXZW0100	0	OBJG	11-SRP-95	27-SBP-95	v	e	DEC	0.0
IN SOIL BY	LM18	B2BHP	DDZW0100	DV4S*400 O	ORJG	11-SRP-95	28-SEP-95	v	m	nag	0.0
IN SOIL	LM18	BZEHP	BD570405	DV4S*436 OBOG	BOG	19-SRP-95	29-SRP-95	v	.62	UGG	0.0
BY	IM18	В2ВНР	EX570405	DV4S*104 OBOG	BOG	19-SBP-95	29-SRP-95	v	.62	nee	0.0
BNA'S IN SOIL BY GC/MS	LM18	BAANTR	BXAX0215	DV4S*217 0	ORTG	27-SEP-95	10-0CT-95	v	.17	ties	0.0
IN SOIL BY	LM18	BAANTR	BDAX0215	DV45*442 0	OFTG	27-SBP-95	10-0CT-95	v	.17	000	0.0
BNA'S IN SOIL BY GC/MS	LM18	BAANTR	BXZW0100	DV48*435 0	OROG	19-SEP-95	30-SBP-95	v	۳.	ngg	0.0
IN SOIL BY	LM18	BAANTR	BXZW0100	DV4S*246 0	OROG	19-SRP-95	30-SEP-95	v	₩.	nge	0.0
IN SOIL BY	LM18	BAANTR	DDS70300	DV48*431 0	OBLG	13-SRP-95	26-SBP-95	v	Φ,	nee	85.7
IN SOIL BY	LM18	BAANTR	DX570300		OEKG	13-SBP-95	26-SBP-95	v	7	nec	85.7
IN SOIL BY	LM18	BAANTR	DDZW0100	DV4S*400 O	OBJG	11-SRP-95	28-SEP-95	v	œ.	nge	0.0
IN SOIL BY	I.M18	BAANTR	DXZW0100	DV4S*289 O	ORJG	11-SEP-95	27-SEP-95	•	₩.	nge	0.0
IN SOIL BY	LM18	BAANTR	RD570405	DV4S*436 OROG	BOG	19-38P-95	29-SEP-95	v	.17	000	0.0
BNA'S IN SOIL BY GC/MS	LM18	BAANTR	EX570405	DV4S*104 OEOG	BOG	19-SBP-95	29-SRP-95	· •	.17	550	0.0
TM GOTT, BV	1.M.1	RADVR	RXAX0215	DV4S#217 O	ORTG	27-SRP-95	10-0CT-95	v	.25	000	0.0
RNA'S IN SOLL BY GC/MS	IM18	BAPYR	BDAX0215		OFIG	27-SBP-95	10-0CI-95		25	DOO	0.0
IN SOIL BY	LM18	BAFYR	BXZW0100	DV4S*246 0	OEOG	19-SEP-95	30-SEP-95	v	+	000	0.0
IN SOIL BY	LM18	BAPYR	BXZW0100	DV4S*435 0	OROG	19-SRP-95	30-SBP-95		н	ngg	0.0
IN SOIL BY	LM18	BAPYR	DX570300	DV4S*187 0	OKKG	13-SRP-95	26-SBP-95	v	ĸ	DOC	66.7
IN SOIL BY	LM18	BAPYR	DD570300	DV4S*431 0	OBLG	13-SEP-95	26-SBP-95	v	-	nge	66.7
IN SOIL BY	LM18	BAPYR	DXZW0100	DV4S*289 O	OBJG	11-SRP-95	27-SBP-95	v	-1	nee	0.0
IN SOIL BY	LM18	BAPYR	DDZW0100	DV4S*400 O	OBJG	11-SEP-95	28-SEP-95	v	-	nee	0.0
IN SOIL BY	LM18	BAPYR	RD570405	DV4S*436 OBOG	BOG	19-SEP-95	29-SEP-95	~	.25	nge nge	0.0
BNA'S IN SOIL BY GC/MS	IM18	BAPYR	EX570405	DV4S*104 0	OROG	19-SRP-95	29-SEP-95	v	.25	nac	0.0
BNA'S IN SOIL BY GC/MS	LM18	BBFANT	BXAX0215	DV45*217 0	ORTG	27-SEP-95	10-0CT-95	v	.21	ned	0.0
IN SOIL BY	LM18	BBFANT	BDAX0215	DV4S*442 0	OETG	27-SEP-95	10-0CT-95	v	.21	OGC	0.0
IN SOIL BY	LM18	BBFANT	BXZW0100	DV4S*435 0	OROG	19-SRP-95	30-SEP-95	v	7	ned	0.0
IN SOIL BY	LM18	BBFANT	BXZW0100	DV43*246 O	OBOG	19-SEP-95	30-SEP-95	v	7	000	0.0
Z	LM18	BBFANT	DX570300		OKKG	13-SEP-95	26-SRP-95	v	7	nad	66.7
IN SOIL BY	LW18	BBFANT	DD570300	DV43*431 0	ORIG	13-SEP-95	26-SEP-95	v	-	000	66.7

Chemical Quality Control Report Installation: Fort Devens, MA (DV) Group 2, 7 Sites

			IRDMIS							
	Method	Test	Sample	Lab	Sample	Analysis				
Method Description	Code	Name	Number	Number Lot		Date	v	Value	Value Units	RPD
IN SOIL BY	IM18	BBFANT	DDZW0100	DV48*400 OBJG	G 11-SBP-95	28-SBP-95		н	DEC	0.0
IN SOIL BY	LM18	BBFANT	DXZW0100	DV4S*289 OBJG	G 11-SEP-95	27-SRP-95	v	-	nac	0.0
IN SOIL BY	LM18	BBFANT	RD570405	DV4S*436 OBOG	G 19-SEP-95	29-SBP-95	v	.21	990	0.0
SOIL	IM18	BBFANT	EX570405	DV4S*104 OBOG	G 19-SRP-95	29-SBP-95	v	.21	000	0.0
IN SOIL BY	LM18	ввис	BXAX0215	DV4S*217 OFTG	3 27-8BP-95	10-0CT-95	v	.27	trac	0.0
IN SOIL BY	LM18	BBHC	BDAX0215	DV4S*442 OBTG	C 27-SRP-95	10-0CT-95	•	.27	nge	0.0
IN SOIL BY	LM18	BBHC	BXZW0100	DV4S*246 OBOG	G 19-SBP-95	30-SEP-95	•	-	nod	0.0
IN SOIL BY	LM18	BBHC	BXZW0100	DV48*435 OBOG	G 19-SRP-95	30-SEP-95	v	-	DEA COG	0.0
	LM18	BBHC	DX570300	DV4S*187 OEKG	G 13-SRP-95	26-SBP-95	v	m	000	100.0
IN SOIL BY	LM18	BBHC	DD570300	DV4S*431 ORLG	G 13-SBP-95	26-SBP-95	v	-	nod	100.0
IN SOIL BY	LM18	BBHC	DDZW0100	DV4S*400 OBJG	IG 11-SBP-95	28-SRP-95	•	-	000	0.0
IN SOIL BY	LM18	BBHC	DXZW0100	DV4S*289 OBJG	G 11-SEP-95	27-SEP-95	v	-	pen	0.0
IN SOIL BY	LM18	BBHC	ED570405	DV4S*436 OBOG	G 19-SBP-95	29-SBP-95	v	.27	ned	0.0
SOIL BY	LM18	BBHC	EX570405	DV45*104 OROG	X 19-SRP-95	29-SBP-95	v	.27	600	0.0
	;	;				1		ţ	ļ	•
IN SOIL BY	LM18	BBZP	BXAX0215	DV4S*217 OKIG		10-0CL-32	v	.17	3	0.0
IN SOIL BY	I.M.18	BBZP	BDAX0215	DV4S*442 ORIG	C 27-SBP-95	10-0CT-95	v	.17	000	0.0
IN SOIL BY	LM18	BBZP	BXZW0100	DV4S*435 OROG	G 19-SBP-95	30-SBP-95	v	.	000	0.0
IN SOIL BY	LM18	8BZP	BXZW0100	DV4S*246 OBOG	G 19-SBP-95	30-SEP-95	v	₩.	000	0.0
IN SOIL BY	LM18	BBZP	DD570300	DV4S*431 ORLG	G 13-SBP-95	26-SEP-95	v	œ .	pen	85.7
IN SOIL BY	LM18	BBZP	DX570300	DV4S*187 OEKG	G. 13-8BP-95	26-SBP-95	v	~	nge	85.7
BY	LM18	BBZP	DDZW0100	DV4S*400 OBJG	IG 11-SBP-95	28-8BP-95	•	æ .	nee	0.0
IN SOIL BY	LM18	BBZP	DXZW0100	DV4S*289 OBJG	IG 11-SRP-95	27-SBP-95	v	œ.	nee	0.0
IN SOIL BY	LM18	BBZP	KD570405	DV43*436 OBOG	G 19-SBP-95	29-SBP-95	v	.17	nge	0.0
IN SOIL	LM18	BBZP	EX570405	. DV4S*104 OBOG	G 19-SBP-95	29-SRP-95	v	.17	999	0.0
IN SOIL BY	LM18	BENSIT	BXAX0215	DV4S*217 OFTG	N3 27-SBP-95	10-OCT-95	v	.62	nod	0.0
SOIL BY	LM18	BENSLP	BDAX0215	DV4S*442 OFTG	NG 27-SEP-95	10-0CI-95	v	.62	noc	0.0
IN SOIL BY	LM18	BENSLP	BXZW0100	DV4S*435 OBOG	X 19-SBP-95	30-SBP-95	v	m	nag	0.0
IN SOIL BY	LM18	BENSLF	BXZW0100	DV4S*246 OBOG	X 19-SBP-95	30-SBP-95	٧	m	nod nod	0.0
IN SOIL BY	LM18	BENSLF	DX570300	DV4S*187 OEKG	(G 13-SBP-95	26-SBP-95	v	9	nee	66.7
Ä	LM18	BENSLF	DD570300	DV4S*431 ORLG	.G 13-SBP-95	26-SBP-95	v	C	nag	66.7

Chemical Quality Control Report Installation: Fort Devens, MA (DV) Group 2, 7 Sites

Method Description	IRDMIS Method Code	Test Name	ikDMIS Field Sample Number	Lab Number Lot	Sample Date	Analysis Date	v	Value	Unite	RPD
BNA'S IN SOIL BY GC/MS	I.M18	BENSLP	DDZW0100	DV43*400 OBJG	11-SBP-95	28-SRP-95	v	m	nec	0.0
BNA'S IN SOIL BY GC/MS	LM18	BENSLP	DXZW0100	DV4S*289 OBJG	11-SBP-95	27-SBP-95	v	m	neg	. 0.0
BNA'S IN SOIL BY GC/MS	LM18	BENSLF	RD570405	DV48*436 080G	19-SRP-95	29-SRP-95	v	.62	993	0.0
BNA'S IN SOIL BY GC/MS	LM18	BENSIL	EX570405	DV4S*104 OBOG	19-SEP-95	29-SBP-95	v	.62	nag	0.0
BNA'S IN SOIL BY GC/MS	LM18	BENZID	BXAX0215	DV48*217 OBTG	27-SBP-95	10-0CT-95	v	85	500	0.0
SOIL BY GC	LM18	BENZID	BDAX0215		27-SRP-95	10-0CT-95	v	.85	UGG	0.0
IN SOIL BY	LM18	BENZID	BXZW0100	DV4S*246 0BOG	19-SEP-95	30-SEP-95	v	4	nge	0.0
SOIL BY	LM18	BENZID	BXZW0100	DV45*435 OROG	19-SEP-95	30-SEP-95	v	*	ngg 1	0.0
IN SOIL	LM18	BENZID	DX570300	DV4S*187 OEKG	13-SRP-95	26-SBP-95	v	€	nge	66.7
IN SOIL BY	LM18	BENZID	DD570300	DV4S*431 ORLG	13-SEP-95	26-SBP-95	v	*	nod	66.7
IN SOIL BY	LM18	BENZID	DDZW0100	DV4S*400 ORJG	11-SEP-95	28-SBP-95	v	*	DG0	0.0
IN SOIL BY	LM18	BENZID	DXZW0100	DV4S*289 OBJG	11-SEP-95	27-SBP-95	v	*	DOO	0.0
BNA'S IN SOIL BY GC/MS	LM18	BENZID	RD570405	DV45*436 OBOG	19-SEP-95	29-SBP-95	v	. 85	nag	0.0
IN SOIL BY	IM18	BENZID	EX570405	DV45*104 OBOG	19-SRP-95	29-SBP-95	v	.85	DO DO	0.0
20 24 2100 24		A CEIGHIC	20000	C1404017	27_00h_of	10.00	,	,	5	•
TO SOTT DE	TWIE	DENGOR	DAMAGETS		24 - 20C- 12	10-001-35	v ·	;	3	9 0
IN SOIL BY	BIWI	BENZOA	BUANOZIS	DOWS *** CBIG	21-38F-35	10-0C1-35	٧ .		3 5	9 6
BNA'S IN SOIL BY CC/MS	1418	BENZOA	DAZMOTOO		19-020-01	30-305-05	v	<u>ק</u>	3 2	
AN SOLL BL	THIS	DENIE OF	DVETOTO		12-920-95	26-020-96	/ \	2		2.93
AOTI.	1818	RENZOA	00507500		13-SRP-95	26-SRP-95	, ,	06	een	66.7
IN SOIL BY	LM18	BENZOA	DDZW0100		11-SEP-95	28-SBP-95		30	nge	0.0
IN SOIL BY	LM18	BENZOA	DXZW0100	DV4S*289 OEJG	11-SRP-95	27-SBP-95	•	30	1000	0.0
IN SOIL BY	LM18	BENZOA	RD570405	DV4S*436 OEOG	19-SEP-95	29-SRP-95	v	6.1	nee	0.0
IN SOIL BY	LM18	BENZOA	EX570405	DV4S*104 OBOG	19-SEP-95	29-SEP-95	v	6.1	ngg	0.0
BNA'S IN SOIL BY GC/MS	LM18	BGHIPY	BXAX0215	DV4S*217 OFF	27-SRP-95	10-0CT-95	v	. 25	990	0.0
IN SOIL BY	LM18	BGHIPY	BDAX0215	DV4S*442 OFTG	27-SRP-95	10-0CT-95	v	.25	DEN	0.0
IN SOIL BY	IM18	BGHIPY	BXZW0100	DV4S*246 OBOG	19-SBP-95	30-SBP-95	v	7	DGG	0.0
IN SOIL BY	IM18	BCHIPY	BXZW0100	DV4S*435 OROG	19-SEP-95	30-SBP-95	v	+	nge	0.0
BNA'S IN SOIL BY GC/MS	IM18	BGHIPY	DX570300	DV4S*187 OEKG	13-SEP-95	26-SBP-95	v	N	nge	66.7
IN SOIL BY	LM18	BGHIPY	DD570300	DV4S*431 OBLG	13-SRP-95	26-SBP-95	v	#	000	66.7

Chemical Quality Control Report Installation: Fort Devens, MA (DV) Group 2, 7 Sites

	IRDMIS		IRDMIS							
	Method	Test	Sample		Sample	Analysis				
Method Description	Code	Name	Number	Number Lot	Date	Date	Λ .	Value	Unite	RPD
IN SOIL	LM18	BGHIPY	DDZW0100	DV4S*400 OBJG	11-SRP-95	28-SEP-95	v	-	pen .	0.0
IN SOIL BY	I.M18	BGHIPY	DXZW0100	DV4S*289 OBJG	11-SEP-95	27-SRP-95	•	H	nee	0.0
SOIL BY	LM18	BGHIPY	RD570405	DV4S*436 OBOG	19-SBP-95	29-SBP-95	· v	.25	000	0.0
IN SOIL BY	IM18	BGHIPY	EX570405	DV48*104 OBOG	19-SBP-95	29-SBP-95	•	.25	990	0.0
IN SOIL BY	LM18	BKPANT	BXAX0215	DV48*217 OFTG	27-SBP-95	10-0CL-95	٠.	990	99	0.0
IN SOIL BY G	LM18	BKFANT	BDAX0215	DV4S*442 OFTG	27-SBP-95	10-0CT-95	۰.	_	000	0.0
BY G	LM18	BKFANT	BXZW0100	DV4S*435 OROG	19~SRP-95	30-SEP-95	v	۳.	nad	0.0
IN SOIL BY GO	LM18	BKFANT	BXZW0100	DV48*246 OBOG	19-SBP-95	30-SEP-95	v	٠.	nag	0.0
IN SOIL BY GO	LM18	BKFANT	DX570300	DV4S*187 ORKG	13-SBP-95	26-SRP-95	v		000	124.3
IN SOIL BY G	LM18	BKFANT	DD570300	DV4S*431 OBLG	13-SEP-95	26-SRP-95		<u>-</u>	DO 0	124.3
IN SOIL BY	LM18	BKPANT	DDZW0100	DV4S*400 OBJG	11-SBP-95	28-SBP-95	v	۳.	990	0.0
IN SOIL BY	LM18	BKPANT	DXZW0100	DV4S*289 OBJG	11-SEP-95	27-SBP-95	v	.3	nec	0.0
IN SOIL BY GC	LM18	BKFANT	RD570405	DV4S*436 OBOG	19-SEP-95	29-SRP-95	٠.	. 990.	990	0.0
IN SOIL BY	LM18	BKFANT	EX570405	DV45*104 OROG	19-SBP-95	29-SBP-95	٠. د	. 990.	990	0.0
	-	1				;			;	
IN SOIL BY GO	LM18	BZALC	BXAX0215		27-SBP-95	10-0CT-95	•	_	000	0.0
IN SOIL BY GO	LM18	BZALC	BDAX0215	DV4S*442 OBTG	27-SBP-95	10-0CT-95	•	. 19	DOC	0.0
BNA'S IN SOIL BY GC/MS	LM18	BZALC	BXZW0100		19-SRP-95	30-SEP-95	v	7	nge	0.0
IN SOIL BY GC	IM18	BZALC	BXZW0100	DV4S*246 OBOG	19-SRP-95	30-SEP-95	v	-	DOG	0.0
IN SOIL BY GO	LM18	BZALC	DX570300	DV4S*187 OEKG	13-SRP-95	26-SRP-95	v	~	nad	66.7
IN SOIL BY GO	IM18	BZALC	DD570300	DV4S*431 OELG	13-SBP-95	26-SEP-95	v	7	ned	66.7
IN SOIL BY GC	LM18	BZALC	DDZW0100	DV4S*400 OBJG	11-SEP-95	28-SEP-95	•	-	990	0.0
IN SOIL BY GC	LM18	BZALC	DXZW0100	DV4S*289 OBJG	11-SBP-95	27-SBP-95	v	-	nec	0.0
SOIL BY GC	IM18	BZALC	RD570405	DV4S*436 OBOG	19-SRP-95	29-SEP-95	v	.19	990	0.0
IN SOIL BY	LM18	BZALC	EX570405	DV4S*104 OROG	19-SBP-95	29-SBP-95		. 19	990	0.0
IN SOIL BY	LM18	G16	BXZW0100	DV45*435 OROG	19-SBP-95	30-SEP-95			99	0.0
BNA'S IN SOIL BY GC/MS	LM18	. 910	BXZW0100	DV4S*246 OROG	19-SBP-95	30-SEP-95		7	993	0.0
TN SOTE, BY	T.M.1 8	3	RIZMOTOO	T0444246 0B0G	10-980-95			_	Ş	9
BNA'S IN SOIL BY GC/MS	1818	7	BXZW0100	DV48*435 OROG	19-SRP-95	30-SRP-95		, ,	200	
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Chemical Quality Control Report Installation: Fort Devens, MA (DV) Group 2, 7 Sites

Method Description	IRDMIS Method Code	Test Name	IRDMIS Field Sample Number	Lab Number	Fot	Sample Date	Analysis Date	. •	Value	Value Units	. QAN
BNA'S IN SOIL BY GC/MS	LM18	C18	BXZW0100	DV4S*246	OROG	19-SRP-95	30-SRP-95		3	nad	40.0
BNA'S IN SOIL BY GC/MS	LM18	C18	BXZW0100	DV48*435	OROG	19-SRP-95	30-SEP-95		n	000	40.0
IN SOIL BY	LM18	C29	DD570300	DV4S*431	ORIG	13-SRP-95	26-SRP-95		50	nag	50.0
	IM18	670	DX570300	DV4S*187	OKKG	13-SEP-95	26-SEP-95		30	DOC	50.0
BNA'S IN SOIL BY GC/MS	LM18	CARBAZ	BXAX0215	DV4S*217	OFTG	27-SBP-95	10-OCF-95	٧	.14	nge	0.0
IN SOIL BY	LM18	CARBAZ	BDAX0215	DV4S*442	OFTG	27-SRP-95	10-0CT-95	v	.14	DOC	0.0
SOIL BY	LM18	CARBAZ	BXZW0100	DV48*435	OBOG	19-SRP-95	30-SEP-95	v	.7	DOO	0.0
IN SOIL	I.M18	CARBAZ	BXZW0100		OROG	19-SBP-95	30-SBP-95	v	.,	nag	0.0
IN SOIL BY	IM18	CARBAZ	DD570300		OBLG	13~SRP-95	26-SBP-95	v	.7	000	35.3
IN SOIL BY	LM18	CARBAZ	DX570300		OKKG	13-SRP-95	26-SBP-95	v	~	000	35.3
IN SOIL BY	LM18	CARBAZ	DXZW0100		ORJG	11-SEP-95	27-SRP-95	v	'n	193	0.0
IN SOIL BY	. LM18	CARBAZ	DDZW0100		OBJG	11-SEP-95	28-SBP-95	v	'n	ned	0.0
SOIL BY	LM18	CARBAZ	BD570405		OROG	19-SEP-95	29-SEP-95	v	.14	ngg	0.0
IN SOIL BY	LM18	CARBAZ	EX570405	DV4S*104	OROG	19-SRP-95	29-SRP-95	v	.14	990	0.0
BUANG TN SOTT, BY GE/MS	T.M.1 B	, A	RXAX0215	1048#217 ORTG	1	27-9BD-95	10-07-95	,	13	12	0
TN SOTT. BY	TWIB	CHP.	BDAX0215	TWASTA42	ORTE	27-SRD-95	10-07-95	, ,	: :	DEAT.	
IN SOIL	LM18	CHRY	BXZW0100		OBOG	19-SEP-95	30-SEP-95	/ v	9	3 3	
IN SOIL BY	LM18	CHRY	BXZW0100	DV43*246	OBOG	19-SEP-95	30-SBP-95	v	9.	990	0.0
BNA'S IN SOIL BY GC/MS	LM18	CHRY	DD570300	DV48*431	ORLG	13-SRP-95	26-SRP-95	v	9.	nee	50.0
IN SOIL BY	LM18	CHRY	DX570300	DV4S*187	ORKG	13-SEP-95	26-SBP-95	v	-	nee	50.0
IN SOIL BY	LM18	CHRY	DDZW0100		OBJG	11-SEP-95	28-SEP-95		ø.	nac	10.5
IN SOIL BY	LM18	CHRY	DXZW0100	DV4S*289 (ORJG	11-SEP-95	27-SEP-95		н	nod	10.5
BNA'S IN SOIL BY GC/MS	LM18	CHRY	KD570405	DV4S*436 (OROG	19-SEP-95	29-SRP-95	v	.12	000	0.0
IN SOIL BY	LM18	CHRY	EX570405	DV4S*104 (OROG	19-SRP-95	29-SRP-95	v	.12	990	0.0
BNA'S IN SOIL BY GC/MS	LM18	CL6BZ	BXAX0215	DV4S*217 OKTG	OFFIG	27-SBP-95	10-OCT-95	v	. 033	993	0.0
SOIL BY	LM18	CL6BZ	BDAX0215	DV4S*442 ORTG	ORTG	27-SEP-95	10-0CT-95	v	.033	nac	0.0
IN SOIL	LM18	CL6BZ	BXZW0100	DV4S*435 OBOG	DBOG	19-SRP-95	30-SBP-95	v	4	nge	0.0
BX	LM18	CL6BZ	BXZW0100	DV4S*246 OBOG	SOG	19-SEP-95	30-SRP-95	v	7	ngg	0.0
IN SOIL BY	LM18	CL6BZ	DX570300	DV4S*187 OEKG	DEKG	13-SBP-95	26-SEP-95	v	ų.	990	40.0

Chemical Quality Control Report Installation: Port Devens. MA (DV)

<pre>installation: Fort Devens, MA (DV) Group 2, 7 Sites</pre>	<u>(6</u>	
Fort Devens, p 2, 7 Sites	Ş	
	Fort Devens,	Group 2, 7 Sites

Method Description	IRDMIS Method Code	Test Name	IRDMIS Field Sample Number	Lab Number L	į. Į	Sample Date	Analysis Date	v :	Value	Units	RPD
BNA'S IN SOIL BY GC/MS	LM18	CL6BZ	DD570300	DV4S*431 0	ORLG	13-SEP-95	26-SBP-95	v	4	nad	40.0
Ä	LM18	CL6BZ	DDZW0100	DV4S*400 0	ORJG	11-SEP-95	28-3BP-95	v	4	ned	0.0
Ä	LM18	CL6BZ	DXZW0100	DV45*289 0	OBJG	11-3BP-95	27-SBP-95	v	7	nga	0.0
Ä	LM18	CL6BZ	RD570405	DV48*436 0	OROG	19-SBP-95	29-SBP-95	v	. 033	noa	0.0
	LM18	CL682	EX570405	DV4S*104 0	OROG	19-SRP-95	29-8RP-95	v	.033	ned	0.0
BNA 11 9011. RV GC/M9	IMIR	CIPCIP	BXAX0215	DV43*217 C	ORIG	27-SBP-95	10-0CT-95	v	6.2	DEN	0.0
IN SOIL BY	LM18	CLECP	BDAX0215		OFTG	27-SBP-95	10-0CT-95	v	6.2	nag	0.0
IN SOIL BY	LM18	CLECP	BXZW0100	DV48*246 0	OROG	19-SBP-95	30-SBP-95	•	30	000	0.0
IN SOIL BY	LM18	CL6CP	BX ZW0100	DV48*435 C	OBOG	19-SEP-95	30-SEP-95	v	30	000	0.0
IN SOIL BY	LM18	CL6CP	DX570300	DV4S*187 C	OKKG	13-SBP-95	26-SBP-95	v	9	nad	66.7
IN SOIL BY	LM18	CLECP	DD570300	DV4S*431 0	ORLG	13-SBP-95	26-SBP-95	v	30	pen	66.7
IN SOIL BY	LM18	CLECP	DXZW0100	DV4S*289 0	OBJG	11-SBP-95	27-SRP-95	v	30	noc	0.0
IN SOIL BY	LM18	CLECP	DDZW0100	DV48*400 C	ORJG	11-SBP-95	28-SBP-95	٧	30	pon	0.0
IN SOIL BY	LM18	CLECP	ED570405	DV4S*436 C	OBOG	19-SRP-95	29-SEP-95	v	6.2	ned	0.0
IN SOIL	LM18	CLECP	EX570405	DV4S*104 C	OEOG	19-SBP-95	29-SBP-95	•	6.2	000	0.0
i		į	2100000	111111111111111111111111111111111111111		3000-000	10-07-05	,	ī		c
5 7		CLOBI	DAMAGE 15		200	75-SED-95	10-0CT-95	, ,	4	e con	0.0
BANA SOLL BY GC/RS	TWID	CLOS D.	BY ZWO100		DEOG O	19-389-95	30-8RP-95	, v		ben	0.0
1 2	1.818	1891	RXZW0100		OBOG	19-3BP-95	30-88P-95	· v		99	0.0
Z	LM18	CLEBI	DD570300		OBLG	13-SBP-95	26-SEP-95	v	€.	nea	85.7
Z	LM18	CLEBT	DX570300	DV43*187 C	OEKG	13-SBP-95	26-SBP-95	v	N	pen	85.7
Z	LM18	CLEBT	DDZW0100	DV48*400 C	ORJG	11-SBP-95	28-SEP-95	·v	₩.	nod	0.0
H	LM18	CLEBT	DXZW0100	DV43*289 C	OEJG	11-SRP-95	27-SBP-95	v	8	nod	0.0
Z	IM18	CLEBT	ED570405	DV48*436 C	OBOG	19-SEP-95	29-SEP-95	v	.15	000	0.0
BNA'S IN SOIL BY GC/MS	LM18	CLEBT	EX570405	DV4S*104 0	OROG	19-SEP-95	29-SEP-95	v	.15	993	0.0
ON/US NO ITOS NE DI MINO	2	47490	BY BY CO 1 E	TV464217	5020	27-9RD-9E	10-07-95			SE	0
1		-	The Court			10-01D-01	10-04-05	, ,			
4	Ture	Down	DOMOGET S		2 6	C - 300 - 17	56-170-04	, ,	•	3	
4	E#18	DEAHA	BXZW0100	DV4S*435 C	9080	19-587-95	30-08F-95	V - 1	٠.	3 5	
BNA'S IN SOLL BY GC/RS		DEATA	DXSZNADO			13-5RP-95	26-SRP-95	, ,	1 6		66.7
4	07117	Upwar	ממכה / בעת		3	77 - 387-CT	00.300-04	,	•	}	:

Chemical Quality Control Report Installation: Fort Devens, MA (DV) Group 2, 7 Sites

Method Description	IRDMIS Method Code	Test	IRDMIS Field Sample Number	Lab Number Lot	Sample Date	Analysis Date	V :	Value	Value Units	RPD
BNA'S IN SOIL BY GC/MS	LM18	DBAHA	DD570300	DV4S*431 OELG	13-SEP-95	26-SEP-95	•	+	DEC	66.7
BNA'S IN SOIL BY GC/MS	IM18	DBAHA	DXZW0100	DV4S*289 OEJG	11-SBP-95	27-SBP-95	v	4	nge	0.0
BNA'S IN SOIL BY GC/MS	LM18	DBAHA	DDZW0100	DV4S*400 OBJG	11-SBP-95	28-SBP-95	v	-	nag	0.0
BNA'S IN SOIL BY GC/MS	LM18	DBAHA	RD570405	DV45*436 OBOG	19-SRP-95	29-SBP-95	v	.21	ned	0.0
BNA'S IN SOIL BY GC/MS	LM18	DBAHA	EX570405	DV4S*104 OROG	19-SEP-95	29-SRP-95	v	.21	990	0.0
BNA'S IN SOIL BY GC/MS	LM18	DBHC	BXAX0215	DV45*217 OKTG	27-SEP-95	10-0CT-95	v	.27	nee	0.0
SOIL BY GC	LM18	DBHC	BDAX0215	DV4S*442 ORTG	27-SBP-95	10-0CT-95	v	.27	000	0.0
IN SOIL BY	LM18	DBHC	BXZW0100	DV48*246 OBOG	19-SBP-95	30-SEP-95	v	-	nee	0.0
IN SOIL BY	LM18	DBHC	BXZW0100	DV4S*435 OBOG	19-SBP-95	30-SRP-95	v	-	nag	0.0
IN SOIL BY	LM18	DBHC	DX570300	DV4S*187 OEKG	13-SBP-95	26-SBP-95	v	٣	103 6	100.0
SOIL BY	LM18	DBHC	DD570300	DV4S*431 OELG	13-SEP-95	26-SBP-95	v	+	000	100.0
IN SOIL BY	LM18	DBHC	DDZW0100	DV4S*400 OBJG	11-SBP-95	28-SEP-95	v	-	DOC	0.0
IN SOIL	LM18	DBHC	DXZW0100	DV4S*289 OBJG	11-SEP-95	27-SBP-95	v .	4	nac	0.0
IN SOIL BY	LM18	DBHC	KD570405	DV4S*436 OBOG	19-SBP-95	29-SBP-95	v	.27	nge	0.0
BX	LM18	DBHC	EX570405	DV4S*104 OBOG	19-SEP-95	29-SRP-95	v	.27	990	0.0
700 114	1410	0110000	DYNA031E	DV484217 OFF	27-82D-95	10-07-95	•	250	1130	0
TN GOTT. BY	1.818	DRZETIP	RDAX0215	DV48*442 ORTG	27-SRP-95	10-0CT-95	· v	.035	DEC	0.0
RNA'S IN SOIL BY GC/MS	IM18	DBZFUR	BXZW0100		19-SRP-95	30-SRP-95	· v	7	500	0.0
IN SOIL BY	LM18	DBZFUR	BXZW0100	DV45*246 OBOG	19-SEP-95	30-SBP-95	v	ä	990	0.0
IN SOIL BY	LM18	DBZFUR	DX570300	DV4S*187 OEKG	13-SEP-95	26-SBP-95	v	₹.	000	66.7
IN SOIL BY	LM18	DBZFUR	DD570300	DV4S*431 OELG	13-SRP-95	26-SBP-95	v	4	993	66.7
IN SOIL BY	LM18	DBZFUR	DDZW0100	DV45*400 OBJG	11-SEP-95	28-SBP-95	v	4	039	0.0
IN SOIL BY	LM18	DBZFUR	DXZW0100	DV4S*289 OBJG	11-SBP-95	27-SBP-95	v	ij	UGG	0.0
IN SOIL BY	LM18	DBZFUR	RD570405	DV45*436 OBOG	19-SBP-95	29-SRP-95	v	.035	nee	0.0
IN SOIL BY	LM18	DBZFUR	EX570405	DV4S*104 OBOG	19-SEP-95	29-SBP-95	v	.035	990	0.0
pm/ 22 de 1100 et al este	2	6	o coxexe	CT-00-11-11-11-11-11-11-11-11-11-11-11-11-	27_40b_0E	10-00-05	,	76	200	6
TION NOT	0 7 1	Dak L	Done Contract	DIEG CTT-CTAG			, ,			
301	1418	Day.	BUMAN 215		10 000 01	10-04P-05	v	·	3 5	
TOS NI	9767	Day.	DALLAND	DV45-246 UBUG	13-30E-33	30-38-33	,	٠,	3 1	
IN SOIL	LM18	DRP	BXZW0100	DV48*435 OBOG	19-SEP-95	30-SEP-95	v	-	990	0.0
BNA'S IN SOIL BY GC/MS	IM18	DRP	DX570300	DV4S*187 OEKG	13-SBP-95	26-SBP-95	v	~	ngg	66.7

Chemical Quality Control Report Installation: Fort Devens, MA (DV) Group 2, 7 Sites

Method Description	IRDMIS Method Code	Test Name	IRCMIS Field Sample Number	Lab Number	E	Sample	Analysis Date	v :	Value	Value Units	. Ogn
BUA'S IN SOIL BY GC/MS	LM18	DBP	DD570300	DV4S*431 OBLG	OBLG	13-SRP-95	26-SBP-95	v	1	trace	66.7
BNA'S IN SOIL BY GC/MS	LM18	DBP	DXZW0100	DV4S*289 OBJG	ORJG	11-SRP-95	27-SEP-95	v	-	nod	0.0
BX	LM18	DRP	DDZW0100	DV4S*400	ORUG	11-SBP-95	28-SEP-95	v	-	000	0.0
BX	LM18	DRP	RD570405	DV43*436	OROG	19-SRP-95	29-SEP-95	v	.24	nee	0.0
SOIL BY	IM18	DBP	EX570405	DV45*104 OROG	OBOG	19-SBP-95	29-SEP-95	v	.24	nag	0.0
BNA'S IN SOIL BY GC/MS	LM18	DLDRN	BXAX0215	DV4S*217	ORTG	27-SBP-95	10-0CT-95	v	.31	DOC	0.0
IN SOIL BY	LM18	DLDRN	BDAX0215	DV43*442	ORTG	27-SBP-95	10-0CT-95	v	.31	pen	0.0
IN SOIL BY	LM18	DLDRN	BXZW0100	DV4S*435	OROG	19-SEP-95	30-SBP-95	•	7	nod	0.0
IN SOIL BY	LM18	DLDRN	BXZW0100	DV43*246	OROG	19-SRP-95	30-SEP-95	v	7	nac	0.0
BY	LM18	DLDRN	DX570300	DV43*187	OKKG	13-SRP-95	26-SBP-95	v	~	000	40.0
BY	LM18	DLDRN	DD570300	DV48*431	ORLG	13-SBP-95	26-SEP-95	v	4	000	40.0
BY	LM18	DLDRN	DDZW0100	DV43*400	OBJG	11-SEP-95	28-SEP-95	v	71	nad	0.0
BY	LM18	DLDRN	DXZW0100	DV4S*289	OBJG	11-SEP-95	27-SEP-95	v	7	500	0.0
BNA'S IN SOIL BY GC/MS	LM18	DLDRN	KD570405	DV4S*436	OROG	19-SBP-95	29-SRP-95	v	.31	9	0.0
BNA'S IN SOIL BY GC/MS	LM18	DLDRN	. KX570405	DV43*104	OBOG	19-SRP-95	29-SEP-95	v	.31	600	0.0
on/ Ut ha and Mr. of the	2	2	31007870	M46+217 OPT		27.dbb.06	10.00	,	17	2001	c
TN SOTT. BY	1.41.8	. d	BDAX0215	DV4S*442	OFTG	27-SEP-95	10-0CT-95	, v	.17	gg	0.0
IN SOIL BY	LM18	DWD.	BXZW0100	DV4S*246	OBOG	19-SEP-95	30-SEP-95	v	₩.	990	0.0
IN SOIL BY	LM18	DMP	BXZW0100	DV43*435	OBOG	19-SEP-95	30-SEP-95	v	•	993	0.0
IN SOIL BY	LM18	DMP	DD570300	DV4S*431	OBIC	13-SRP-95	26-SBP-95	v	€.	000	85.7
IN SOIL BY	LM18	DMP	DX570300	DV4S*187	OKKG	13-SEP-95	26-SEP-95	v		000	85.7
BY	LM18	DMP	DXZW0100	DV4S*289	OEJG	11-SEP-95	27-SRP-95	v	e .	000	0.0
IN SOIL BY	LM18	DMP	DDZW0100	DV4S*400	OBJG	11-SBP-95	28-SEP-95	v	∞.	nag	0.0
BNA'S IN SOIL BY GC/MS	LM18	DMP	KD570405	. DV4S*436	OROG	19-3BP-95	29-SEP-95	•	.17	990	0.0
BNA'S IN SOIL BY GC/MS	LM18	DMP	EX570405	DV4S*104	OROG	19-SEP-95	29-SBP-95	v	.17	DOD DOD	0.0
1100 W	2	age	S FCOATAG	THY 404 21 7 COTTY		37.40D-0E	10-77-01	,	190	501	•
4		. Divor	DASSACE		7		***	,		} !	;
BX	LM18	DNBP	BDAX0215	DV4S*442 OFIG	OFIG	27-SEP-95	10-0CI-95	v	.061	9	0.0
BY	LM18	DNBP	BXZW0100	DV4S*435	OROG	19-SBP-95	30-SEP-95	v	Ċ.	000	0.0
SOIL BY	LM18	DNBP	BXZW0100	DV43*246	OROG	19-SBP-95	30-SEP-95	v	e.	199	0.0
BNA'S IN SOIL BY GC/MS	IM18	DINBP	DX570300	DV43*187 OKKG	OKKG	13-SEP-95	26-SEP-95	v	٠.	990	66.7

Chemical Quality Control Report Installation: Fort Devens, MA (DV) Group 2, 7 Sites

Method Description	IRDMIS Method Code	Heat Name	IRDMIS Field Sample Number	Lab Number L	Ę.	Sample Date	Analysis Date	v	Value	Value Units	RPD
IN SOIL BY GC	LM18	DNBP	DD570300	-	ORLG	13-SBP-95	26-SBP-95	v	E.	nag	66.7
IN SOIL BY GC	LM18	DNBP	DDZW0100	DV4S*400 O	OBJG	11-SRP-95	28-SRP-95	v	e.	nge n	0.0
IN SOIL BY GC	LM18	DNBP	DXZW0100	DV45*289 0	OBJG	11-SEP-95	27-SBP-95	v	۳.	000	0.0
BNA'S IN SOIL BY GC/MS	LM18	DNBP	RD570405	DV4S*436 0	OBOG	19-SBP-95	29-SRP-95	v	.061	nee	0.0
IN SOIL BY	[M]	DNBP	EX570405	DV43*104 0	OBOG	19-SBP-95	29-SBP-95	V	.061	990	0.0
IN SOIL BY	LM18	DINOP	BXAX0215	DV48*217 0	ORTG	27-SBP-95	10-0CT-95	v	.19	pen	0.0
SOIL BY GC	LM18	DNOP	BDAX0215	DV4S*442 0	OFFIG	27-SBP-95	10-0CI-95	•	.19	nee	0.0
IN SOIL BY	I.M.18	DNOP	BXZW0100	DV4S*246 0	OBOG	19-SRP-95	30-SBP-95	v	-	nge	0.0
IN SOIL BY	LM18	DNOP	BXZW0100	DV48*435 0	OBOG	19-SRP-95	30-SEP-95	v	7	nag	0.0
IN SOIL BY GC	LM18	DINOP	DX570300	DV4S*187 0	ORKG	13-SRP-95	26-SBP-95	v	71	990	66.7
IN SOIL BY GC	LM18	DINOP	DD570300	DV45*431 0	OBLG	13-SBP-95	26-SEP-95	v	-	nge	66.7
IN SOIL BY	LM18	DNOP	DXZW0100	DV4S*289 0	OBJG	11-SRP-95	27-SEP-95	v	7	000	0.0
IN SOIL BY	LMIB	DNOP	DDZW0100	DV4S*400 O	ORJG	11-SRP-95	28-SEP-95	v	7	990	0.0
IN SOIL BY GC,	LM18	DINOP	RD570405	DV45*436 O	OBOG	56-385-61	29-SEP-95	v	.19	DEG	0.0
SOIL BY	LM18	DNOP	EX570405	DV4S*104 O	OBOG	19-SRP-95	29-SEP-95	v	.19	nge	0.0
NG TION MI	2	MOUND	20000	0 110+04104		000	10.00	,	,	5	6
TO TO THE OUT	TWT	PINORN	CTZOWWYG		2	CC-30C-73	66-170-01	v		3	
IN SOIL BY GC	LM18	KNDKN	BDAX0215		OBIG	27-SEP-95	10-0CI-95	v	.45	200	0.0
IN SOIL BY GC	LM18	KNDRN	BXZW0100		OROG	19-SEP-95	30-SEP-95	v	7	000	0.0
IN SOIL BY GC,	LM18	RNDRN	BXZW0100		OBOG	19-SBP-95	30-SEP-95	v	61	99	0.0
IN SOIL BY GC,	IM18	KNDKN	DXS70300	DV4S*187 O	OEKG	13-SEP-95	26-SRP-95	v	•	nec	66.7
IN SOIL BY GC,	LM18	KNDKN	DD570300	DV4S*431 0	ORIG	13-SBP-95	26-SBP-95	V	4	000	66.7
IN SOIL BY GC,	LM18	RNDRN	DDZW0100	DV4S*400 O	OEJG :	11-SRP-95	28-SBP-95	v	4	ggg	0.0
IN SOIL BY	LM18	KNDRN	DXZW0100	DV4S*289 O	ORJG	11-SEP-95	27-SEP-95	v	N	ngg	0.0
IN SOIL	LM18	RNDRN	KD570405	DV48*436 O	OBOG	19-SBP-95	29-SEP-95	v	.45	nee	0.0
SOIL BY GC	LM18	ENDRN	EX570405	DV4S*104 O	OBOG	19-SEP-95	29-SRP-95	v	.45	000	0.0
TW COTT DV	1410	KNOWA	31007470	0 11040734	S S S	1000-70	10-04-01	,	2	54	•
THE POT OF AC			-		•	CC 300 / 1	EC 130-01	,		3	
IN SOIL BY GC	LM18	KNDKNA	BDAX0215		•	27-SBP-95	10-0CL-95	v	.53	990	0.0
IN SOIL BY	LM18	ENDRINA.	BXZW0100		OROG	19-SBP-95	30-SEP-95	v	m	000	0.0
IN SOIL BY GC	LM18	KNDRNA	BXZW0100	DV4S*435 0	OBOG	19-SBP-95	30-SBP-95	v	m	990	0.0
SOIL BY	LM18	KNDRNA	DX570300	DV4S*187 0	OKKG	13-SBP-95	26-SBP-95	v	w	neg	20.0

Chemical Quality Control Report Installation: Fort Devens, MA (DV) Group 2, 7 Sites

Method Description	IRDMIS Method Code	Test Name	IRDMIS Field Sample Number	Lab Number Lo	Sample Lot Date	19	Analysis Date	v	Value	Value Units	RPD
BNA'S IN SOIL BY GC/MS	LM18	BNDRNA	DD570300	431	OBLG 13-S	13-SEP-95	26-SBP-95			nac	50.0
BNA'S IN SOIL BY GC/MS	LM18	BNDRNA	DDZW0100	DV43*400 OF	ORJG 11-S	11-SRP-95	28-SBP-95	v	ю	nee	0.0
SOIL	LM18	BNDRNA	DXZW0100	DV4S*289 OF	OEJG 11-8	11-SRP-95	27-SBP-95	v	m	ned	0.0
	IM18 ·	BNDRNA	RD570405	DV48*436 OF	OROG 19-S	19-SRP-95	29-SRP-95	v	. 53	ned	0.0
SOIL	LM18	RNDRNA	EX570405	DV4S*104 OF	OROG 19-8	19-SBP-95	29-SRP-95	v	.53	nea	0.0
IN SOIL BY	LM18	RNDRNK	BXAX0215	DV4S*217 OF	OFTG 27-S	27-SBP-95	10-0CT-95	v	53	ĐĐA	0.0
SOIL BY GC	LM18	BNDRNK	BDAX0215	DV45*442 OF	OETG 27-8	27-SBP-95	10-0CT-95	v	. 53	noc	0.0
IN SOIL BY	LM18	ENDRINK	BXZW0100	DV4S*435 OF	OBOG 19-8	19-SRP-95	30-SEP-95	v	m	000	0.0
IN SOIL BY	LM18	ENDRINK	BXZW0100	DV45*246 OE	OBOG 19-S	19-SBP-95	30-SBP-95	v	m	nad	0.0
IN SOIL BY	IM18	ENDRNK	DX570300		ORKG 13-8	13-SBP-95	26-SBP-95	v	'n	000	50.0
IN SOIL BY	LM18	ENDRINK	DD570300	DV4S*431 OF	ORLG 13-8	13-SBP-95	26-SBP-95	v	٣	nad	50.0
SOIL BY	LM18	BNDRNK	DDZW0100	DV4S*400 OF	OBJG 11-8	11-SRP-95	28-SBP-95	v	m	nag	0.0
IN SOIL BY	LM18	ENDRINK	DXZW0100	DV4S*289 OF	OEJG 11-S	11-SBP-95	27-SBP-95	v	m	ned	0.0
BNA'S IN SOIL BY GC/MS	LM18	KNDRNK	RD570405	DV4S*436 OF	080G 19-8	19-SEP-95	29-SBP-95	v	.53	DOO	0.0
IN SOIL BY	LM18	ENDRINK	EX570405	DV4S*104 OROG		19-3BP-95	29-SBP-95	v	. 53	000	0.0
									;	į	•
IS TIOS NT	STWT	SOL CO	BAAAU215		•	27-38E-75	56-170-0T	v	70.	3	
IN SOIL BY	LM18	ESPSO4	BDAX0215			27-SRP-95	10-0CI-95	v	. 62	200	0.0
IN SOIL BY	LM18	ESPSO4	BXZW0100		٠.	19-SBP-95	30-SBP-95	v	m	000	0.0
IN SOIL BY	LM18	BSFSO4	BXZW0100		• •	19-SBP-95	30-8BP-95	v	m	ngg n	0.0
IN SOIL BY	IM18	RSPSO4	DX570300		• •	13-SBP-95	26-SBP-95	v	v	000	66.7
SOIL	IM18	RSPSO4	DD570300	DV4S*431 OF	• •	13-8BP-95	26-SEP-95	v	m	nag	66.7
IN SOIL BY	LM18	RSPSO4	DDZW0100	DV43*400 OE	OBJG 11-8	11-SBP-95	28-SEP-95	v	m	nae	0.0
IN SOIL BY	LM18	RSPSO4	DXZW0100	DV4S*289 OBJG	•	11-SBP-95	27-SBP-95	v	m	nod	0.0
NI S	IM18	RSPSO4	RD570405	DV4S*436 OBOG		19-3BP-95	29-SBP-95	v	. 62	noe	0.0
IN SOIL BY	LM18	RSFSO4	EX570405	DV4S*104 OF	OROG 19-8	19-SBP-95	29-SBP-95	v	. 62	590	0.0
		1				4			Ş		,
DUA'S IN SOLL BI GC/RS	9767	FAINT.	DAMANULLS		٠	CK-390-17	CK-120-01	v	990	3	o. o
Ħ	LM18	PANT	BDAX0215			27-SRP-95	10-0CT-95	v	.068	500	0.0
IN SOIL BY	LM18	PANT	BXZW0100	DV43*435 OF	• •	19-SRP-95	30-SEP-95	v	m.	noe	0.0
Ħ	LM18	PANT	BXZW0100	DV43*246 OF	OBOG 19-S	19-SBP-95	30-SBP-95	v	m.	nge	0.0
SOIL BY	LM18	PANT	DD570300	DV48*431 OF	ORLG 13-8	13-SBP-95	26-SEP-95		7	nec	33.3

Chemical Quality Control Report Installation: Fort Devens, MA (DV) Group 2, 7 Sites

Method Description	IRDMIS Method Code	Test	IRDMIS Field Sample Number	Lab Number Lot	Sample Date	Analysie Date	v	Value	units	RPD
BNA'S IN SOIL BY GC/MS	LM18	PANT	DX570300	DV4S*187 OEKG	13-SRP-95	26-SBP-95		ĸ	gg	33.3
BNA'S IN SOIL BY GC/MS	LM18	PANT	DXZW0100	DV4S*289 OBJG	11-SBP-95	27-SRP-95		71	nge	66.7
IN SOIL BY	LM18	PANT	DDZW0100	DV4S*400 OBJG	11-SBP-95	28-SEP-95		1	nee	66.7
IN SOIL BY	LM18	PANT	ED570405	DV4S*436 OROG	19-SRP-95	29-SBP-95	v	.068	000	0.0
BNA'S IN SOIL BY GC/MS	LM18	PANT	EX570405	DV45*104 OROG	19-SEP-95	29-SEP-95	v	.068	990	0.0
BNA'S IN SOIL BY GC/MS	LM18	PLRENE	BXAX0215	DV4S*217 OFTG	27-SBP-95	10-0CT-95	v	.033	ppn	0.0
IN SOIL BY	LM18	PLRENB	BDAX0215	DV4S*442 OBTG	27-SBP-95	10-0CI-95	v	.033	nee	0.0
IN SOIL BY	LM18	PLRENB	BXZW0100	DV4S*435 OROG	19-SBP-95	30-SEP-95	v	7	600	0.0
IN SOIL BY	LM18	PLRENE	BXZW0100	DV4S*246 OBOG	19-SBP-95	30-SRP-95	•	7.	nge nee	0.0
IN SOIL BY	LM18	FLRENE	DX570300	DV4S*187 OEKG	13-SBP-95	26-SRP-95	v	۳.	ned	40.0
IN SOIL BY	LM18	PLRENB	DD570300	DV4S*431 ORLG	13-SRP-95	26-SBP-95	v	4	000	40.0
ВХ	LM18	PLRENE	DXZW0100	DV4S*289 OEJG	11-SBP-95	27-SBP-95	v	ij	0.00 0.00	0.0
BNA'S IN SOIL BY GC/MS	LM18	PLRENB	DDZW0100	DV4S*400 OBJG	11-SRP-95	28-SBP-95	v	4	nag	0.0
IN SOIL BY	I.M18	PLRENE	RD570405	DV4S*436 OBOG	19-SBP-95	29-SBP-95	v	.033	nge	0.0
BNA'S IN SOIL BY GC/MS	LM18	PLRENB	EX570405	DV4S*104 OBOG	19-SRP-95	29-SEP-95	v	.033	990	0.0
								;		,
IN SOIL BY	LM18	GCLDAN	BXAX0215		27-SRP-95	10-0CL-95	v	.33	9	0.0
IN SOIL BY	LM18	GCLDAN	BDAX0215		27-SRP-95	10-0CT-95	v	.33	9	0.0
SOIL BY	LM18	GCLDAN	BXZW0100		19-SBP-95	30-SBP-95	v	N	999	0.0
	IM18	GCLDAN	BXZW0100		19-SBP-95	30-SEP-95	v	~	090	0.0
BNA'S IN SOIL BY GC/MS	LM18	GCLDAN	DX570300	DV4S*187 OKKG	13-SBP-95	26-SBP-95	v	m	020	40.0
BNA'S IN SOIL BY GC/MS	LM18	GCLDAN	DD570300	DV4S*431 ORLG	13-SBP-95	26-SBP-95	v	~	090	40.0
	LM18	GCLDAN	DDZW0100	DV4S*400 OBJG	11-SBP-95	28-SBP-95	v	77	noe	0.0
IN SOIL BY	LM18	GCLDAN	DXZW0100	DV45*289 OBJG	11-SRP-95	27-SBP-95	v	ĸ	DED	0.0
IN SOIL BY	LM18	GCLDAN	EX570405	DV4S*104 OROG	19-SBP-95	29-SBP-95		.33	990	0.0
IN SOIL	LM18	GCLDAN	RD570405	DV4S*436 OBOG	19-SEP-95	29-SBP-95	v	.33	nge	0.0
, 100 M	5	500	. 0000	DAGO 101+0734	0 0	10 - 00D - 20		ć	5	6
TO TION NT	9767	201125	0050/690	PAGO / 9T - CT-AG	•	CC_390-07		4	3	;
BNA'S IN SOIL BY GC/MS	LM18	GSITOS	DD570300	DV4S*431 ORLG	13-SRP-95	26-SEP-95		20	99	0.0
BNA'S IN SOIL BY GC/MS	LM18	HCBD	BXAX0215	DV43*217 OFTG	27-SBP-95	10-0CT-95	v	.23	nod	0.0
SOIL BY	I.M18	HCBD	BDAX0215	DV45*442 OFTG	27-SBP-95	10-0CT-95	v	.23	ned	0.0

Chemical Quality Control Report Installation: Fort Devens, MA (DV) Group 2, 7 Sites

Wethod Description	IRDMIS Method Code	Teat	IRDMIS Field Sample Number		Sample Date	Analysis Date	v	Value	Value Units	RPD
LM18	6 0 1	HCBD	BXZW0100	DV48*435 OROG	19-SEP-95	30-SBP-95	v ·	н.	99	0.0
1			DACMOLOG		13-000-95	36-92D-95	v	4 6	331	
F. F. F.		H CB	DD570300		13-SBP-95	26-SBP-95	, v	. 4	8 8	66.7
Ξ	60)	HCBD	DXZW0100		11-SBP-95	27-3RP-95	v	н	nee	0.0
IM18	60	HCBD	DDZW0100	DV4S*400 OBJG	11-SBP-95	28-SBP-95	v	н	ned	0.0
LM18	80,	HCBD	RD570405	DV4S*436 OBOG	19-SBP-95	29-SRP-95	v	.23	DGQ	0.0
LM18	80,	HCBD	EX570405	DV4S*104 OBOG	19-SBP-95	29-SBP-95	v	.23	990	0.0
IM18	89	HPCL	BXAX0215	DV48*217 OFTG	27-SBP-95	10-0CT-95	v	.13	000	0.0
I.M18	8	HPCL	BDAX0215	DV4S*442 OBTG	27-SBP-95	10-0CT-95	v	.13	nag	0.0
LM18	8	HPCL	BXZW0100	DV4S*435 OBOG	19-SBP-95	30-SBP-95	٧	9.	000	0.0
LM18	æ	HPCL	BXZW0100	DV43*246 OBOG	19-SBP-95	30-SRP-95	v	9.	Den	0.0
I-M18	80,	HPCL	DD\$70300		13-SBP-95	26-SBP-95	v	9.	nee	50.0
IM18	81	HPCL	DX570300	DV4S*187 OBKG	13-SBP-95	26-SBP-95	v	7	DEC	50.0
LM18	81	HPCL	DDZW0100	DV4S*400 OBJG	11-SRP-95	28-SBP-95	v	9.	000	0.0
IM18	81	HPCL	DXZW0100		11-SRP-95	27-SBP-95	v	9.	000	0.0
LM18	8 0	HPCL	EX570405		19-SEP-95	. 29-SBP-95	v	.13	nad	0.0
LM18	∞,	HPCL	KD570405	DV45*436 OROG	19-SBP-95	29-SBP-95	v	t .	190	0.0
LM18	8	HPCLB	BXAX0215	DV48*217 OFTG	27-SBP-95	10-0CT-95	v	.33	900	0.0
LM18	8	HPCLE	BDAX0215	DV43*442 OFTG	27-SBP-95	10-0CT-95	v	.33	nag	0.0
ä	LM18	HPCLB	BXZW0100	DV4S*246 OBOG	19-SBP-95	30-SBP-95	v	4	nge	0.0
I-M18	18	HPCLE	BXZW0100		19-SBP-95	30-SBP-95	v	74	000	0.0
LM18	82	HPCLE	DX570300	DV4S*187 OEKG	13-SEP-95	26-SRP-95	v	Ю	nge	40.0
LM18	81	HPCLE	DD570300	DV4S*431 OBLG	13-8BP-95	26-SRP-95	v	7	nod	40.0
LM18	81	HPCLE	DDZW0100	DV4S*400 OBJG	11-SRP-95	28-SEP-95	٧	~	noc	0.0
3	CM18	HPCLB	DXZW0100	DV45*289 OBJG	11-SBP-95	27-SBP-95	v	~	ngd	0.0
ž	LM18	HPCLE	EX570405	DV4S*104 OBOG	19-SBP-95	29-SBP-95	v	.33	nod	0.0
IM18	18	HPCLB	ED570405	DV45*436 OROG	19-SEP-95	29-SEP-95	v	.33	99	0.0
3	LM18	ICDPYR	BXAX0215	DV4S*217 OFTG	27-SEP-95	10-0CT-95	v	.29	nag	0.0
LM18	8	ICDPYR	BDAX0215	DV4S*442 ORTG	27-SRP-95	10-0CI-95	v	.29	993	0.0

Chemical Quality Control Report Installation: Fort Devens, MA (DV) Group 2, 7 Sites

Method Description	IRDMIS Method Code	Test Name	IRDMIS Field Sample Number	Lab Number	Fo	Sample Date	Analysis Date	v	Value	Value Unite	RPD
BNA'S IN SOIL BY GC/MS	LM18	ICOPYR	BXZW0100	DV48*435 C	OROG	19-SEP-95	30-SEP-95		#	ĐĐ.	0.0
ΒX	I.M18	ICDPYR	BXZW0100	DV4S*246 C	OROG	19-SRP-95	30-SBP-95	v	н	000	0.0
ΒX	LM18	ICDPYR	DX570300	DV4S*187 0	OKKG	13-SEP-95	26-SBP-95	v	М	950	100.0
BNA'S IN SOIL BY GC/MS	LM18	ICDPYR	DD570300	DV4S*431 0	ORIG	13-SEP-95	26-SBP-95	v	ત	990	100.0
BNA'S IN SOIL BY GC/MS	LM18	ICDPYR	DXZW0100	DV4S*289 0	OBJG	11-SEP-95	27-SRP-95	v	н	000	0.0
BNA'S IN SOIL BY GC/MS	LM18	ICDPYR	DDZW0100	DV4S*400 C	OBJG	11-SEP-95	28-SBP-95	v	н	99	0.0
BNA'S IN SOIL BY GC/MS	LM18	ICDPYR	ED570405	DV4S*436 0	OROG	19-SEP-95	29-SBP-95	v	.29	nee	0.0
BNA'S IN SOIL BY GC/MS	LM18	ICDPYR	EX570405	DV4S*104 0	OROG	19-SEP-95	29-SBP-95	v	.29	999	0.0
									,		
BNA'S IN SOIL BY GC/MS	LM18	ISOPHR	BXAX0215		OFTG	27-SRP-95	10-0CT-95	v	.033	990	0.0
IN SOIL BY	LM18	ISOPHR	BDAX0215	DV4S*442 0	OBTG	27-SBP-95	10-0CI-95	v	. 033	000	0.0
IN SOIL BY	LM18	ISOPHR	BXZW0100		OROG	19-SEP-95	30-SEP-95	v	7.	nge	0.0
BNA'S IN SOIL BY GC/MS	I.M.18	ISOPHR	BXZW0100	DV4S*435 0	OBOG	19-SEP-95	30-SBP-95	v	ij	000	0.0
BNA'S IN SOIL BY GC/MS	LM18	ISOPHR	DX570300	DV4S*187 0	OKKG	13-SEP-95	26-SBP-95	v	Ŀ.	1 00	40.0
BNA'S IN SOIL BY GC/MS	LM18	ISOPHR	DD570300	DV4S*431 0	ORLG	13-SEP-95	26-SBP-95	v	4	193	40.0
BNA'S IN SOIL BY GC/MS	IM18	ISOPHR	DDZW0100	DV4S*400 0	OBJG	11-SBP-95	28-SRP-95	v	ij	989	0.0
BNA'S IN SOIL BY GC/MS	LM18	ISOPHR	DXZW0100	DV4S*289 0	ORJG	11-SEP-95	27-SEP-95	v	6.	999	0.0
ΒX	IM18	ISOPHR	EX570405	DV4S*104 0	OROG	19-SEP-95	29-SBP-95	v	. 033	990	0.0
BNA'S IN SOIL BY GC/MS	LM18	ISOPHR	KD570405	DV4S*436 0	OEOG	19-SRP-95	29-SRP-95	v	.033	990	0.0
SW/ CO VIC TION WE DIAME	2	1 7.00	T COAKAG	0 110404040	54.60	2000-000	100	,	•	5	•
TN GOTT, BY C	I W.	NI	BDAY021E			27-44D-95	10-001-01	, ·			
IN SOIL BY G	LM18	rin	BXZW0100		OROG	19-SEP-95	30-SEP-95	/ V	•	8 8	0.0
Ä	LM18	LIN	BXZW0100		OROG	19-SBP-95	30-SEP-95	٧	ri	990	0.0
IN SOIL BY	LM18	LIN	DX570300	DV4S*187 0	ORKG	13~SBP-95	26-SBP-95	v	m	nge nge	100.0
BNA'S IN SOIL BY GC/MS	IM18	LIN	DD570300	DV4S*431 0	OBLG	13-SRP-95	26-SBP-95	v	7	993	100.0
BNA'S IN SOIL BY GC/MS	LM18	LIN	DDZW0100	DV45*400 0	OBJG	11-SBP-95	28-SRP-95	v	-	990	0.0
BNA'S IN SOIL BY GC/MS	LM18	LIN	DXZW0100	DV4S*289 0	OEJG	11-SRP-95	27-SBP-95	v	1	993	0.0
BNA'S IN SOIL BY GC/MS	LM18	LIN	EX570405	DV4S*104 0	OBOG	19-SBP-95	29-SBP-95	v	.27	98	0.0
BNA'S IN SOIL BY GC/MS	LM18	LIN	RD570405	DV4S*436 0	OROG	19-SEP-95	29-SBP-95	v	.27	nge	0.0
on/ we troo ut of the	5		2400440	7104040404	5	70.000	100	,	ŗ	Ş	
ENA'S IN SOLL BI GC/MS	8181	MEACLER	BARANCETS	DATESTO	219	2/-38F-95	10-0CF-95	v		9	0.0
BNA'S IN SOIL BY GC/MS.	[M] 8	MEXCLER	BDAX0215	DV4S*442 OKTG	RIG	27-SBP-95	10-0CL-95	v	.33	000	0.0

Chemical Quality Control Report

(NO)	
Installation: Fort Devens, M	Group 2, 7 Sites

Method Description	IRDMIS Method Code	Test Name	IRCMIS Field Sample Number	Lab Number Lot	Sample Date	Analysis Date	v :	lue	Value Units	. GAR
BNA'S IN SOIL BY GC/MS	I.M.18	MEXCLR	BXZW0100	DV45*435 OBOG	19-SEP-95	30-SBP-95	•	7	990	0.0
BNA'S IN SOIL BY GC/MS	LM18	MEXCLR	BXZW0100	DV4S*246 OBOG	19-SRP-95	30-SBP-95	v	~	nod	0.0
BNA'S IN SOIL BY GC/MS	LM18	MEXCLA	DX570300	DV4S*187 ORKG	13-SBP-95	26-SBP-95	v	m	200	40.0
BNA'S IN SOIL BY GC/MS	1.418	MEXCLR	DD570300	DV4S*431 ORLG	13-SRP-95	26-SRP-95	v	~	nad	40.0
BNA'S IN SOIL BY GC/MS	LM18	MEXCLR	DDZW0100	DV4S*400 OBJG	11-SRP-95	28-SRP-95	v	7	399	0.0
BNA'S IN SOIL BY GC/MS	LM18	MEXCLR	DXZW0100	DV4S*289 OBJG	11-SBP-95	27-SRP-95	v	N	500	0.0
IN SOIL BY	LM18	MEXCLR	EX570405	DV4S*104 OROG	19-SBP-95	29-SRP-95	· v	.33	590	0.0
IN SOIL BY	LM18	MEXCLR	RD570405	DV4S*436 OBOG	19-SEP-95	29-SEP-95		.33	990	0.0
			100000	PRIOR P. 10407181	60	100	,			6
IN SOLL DI	9 10 10	1	ETTOWARD TO		27 000 00	10000	,	•	3 5	
IN SOIL BY	1M18	NAP.	BUAKUZIS		Z/-38F-35	10-0CI-95	· ·	` `		
IN SOIL BY	LM18	NAP	BXZW0100		19-SBP-95	30-88P-95	v	Ņ	996	0.0
BNA'S IN SOIL BY GC/MS	LM18	NAP	BXZW0100	DV43*246 OBOG	19-SBP-95	30-SEP-95	v	7	999	0.0
BNA'S IN SOIL BY GC/MS	LM18	NAP	DX570300	DV4S*187 OEKG	13-SEP-95	26-SEP-95	v	*	200	66.7
BNA'S IN SOIL BY GC/MS	LM18	NAP	DD570300	DV43*431 OBLG	13-SRP-95	26-SBP-95	v	4	500	66.7
BNA'S IN SOIL BY GC/MS	LM18	NAP	DXZW0100	DV4S*289 OBJG	11-3RP-95	27-SBP-95	•	7	DEG	0.0
BNA'S IN SOIL BY GC/MS	IM18	NAP	DDZW0100	DV4S*400 OBJG	11-SBP-95	28-SBP-95	v	7	DEO	0.0
BNA'S IN SOIL BY GC/MS	LM18	NAP	EX570405	DV4S*104 OBOG	19-SRP-95	29-SEP-95	°.	.037	DEC	0.0
BNA'S IN SOIL BY GC/MS	IM18	NAP	RD570405	DV45*436 OBOG	19-SRP-95	29-SRP-95	°.	.037	990	0.0
04/ 00 ha 1100 ht 014ha	2	ę	21003430	MT404017 COURT	30.000.00	10.000	,	276		Ċ
SOLE DE	E.M.1	9 9	BDAX0215		27-SRP-95	10-0CT-95	, v		picio	0.0
IN SOIL BY	1,418	9	BXZW0100		19-SEP-95	30-SEP-95			pen	0.0
IN SOIL BY	LM18	9	BXZW0100		19-SEP-95	30-SRP-95			pen	0.0
IN SOIL BY	LM18	92	DX570300	DV4S*187 OEKG	13-SRP-95	26-SEP-95	v	7	990	66.7
IN SOIL BY	LM18	2	DD570300	DV48*431 OBLG	13-SEP-95	26-SBP-95	v	4	990	66.7
IN SOIL BY	LM18	2	DDZW0100	DV4S*400 ORJG	11-SEP-95	28-SBP-95	v	7	990	0.0
BNA'S IN SOIL BY GC/MS	LM18	2	DXZW0100	DV4S*289 OEJG	11-SRP-95	27-SBP-95	v	ų	ned	0.0
BNA'S IN SOIL BY GC/MS	LM18	2	RD570405	DV43*436 OROG	19-SRP-95	29-SBP-95	°.	045	OGG	0.0
BNA'S IN SOIL BY GC/MS	LM18	. 2	EX570405	DV4S*104 OEOG	19-SEP-95	29-SRP-95	· ·	045	990	0.0
BNA'S IN SOIL BY GC/MS	I.W.18	NADWRA	BXAX0215	DV4S*217 OFIG	27-SBP-95	10-0CT-95	•		9	0.0
BNA'S IN SOIL BY GC/MS	LM18	NNDMEA	BDAX0215	DV4S*442 ORTG	27-SBP-95	10-0CT-95	· v	14	ned	0.0

Chemical Quality Control Report Installation: Fort Devens, MA (DV) Group 2, 7 Sites

Nethod Description	IRDMIS Method Code	Test	IRDMIS Field Sample Number	Lab Number Lot	Sample Date	Analysis Date	v	Value	Value Unite	RPD
BWA'S IN SOIL BY GC/MS	I.M18	NADMEA	BXZW0100	DV48*435 OROG	19-3BP-95	30-SRP-95	, v	٦.	560	0.0
BNA'S IN SOIL BY GC/MS	LM18	NNDMEA	BXZW0100	DV4S*246 OBOG	19-SBP-95	30-SRP-95	v	۲.	990	0.0
IN SOIL	LM18	NNDMEA	DD570300	DV4S*431 OBLG	13-SBP-95	26-SBP-95	v	.7	nee	35.3
IN SOIL	LM18	NNDMEA	DX570300	DV4S*187 OKKG	13-SBP-95	26-SRP-95	v	+	nee	35.3
BNA'S IN SOIL BY GC/MS	LM18	NUMBA	DXZW0100	DV4S*289 ORJG	11-SBP-95	27-SRP-95	v	.7	000	0.0
IN SOIL BY	LM18	NUDWRA	DDZW0100	DV4S*400 OBJG	11-SBP-95	28-SRP-95	v	7	nge	0.0
IN SOIL BY GC/	IM18	NNDMEA	EX570405	DV4S*104 OBOG	19-SEP-95	29-SBP-95	v	.14	000	0.0
IN SOIL	LM18	NNDMBA	ED570405	DV45*436 OBOG	19-SBP-95	29-SRP-95	v	.14	ngg	0.0
	LM18	NACONPA	BXAX0215	DV45*217 ORTG	27-SBP-95	10-0CI-95	v	7	990	0.0
BY GC/	LM18	NNDNPA	BDAX0215	DV45*442 OFTG	27-SBP-95	10-0CT-95	v	7	000	0.0
IN SOIL BY	LM18	NINDNPA	BXZW0100	DV4S*246 OBOG	19~SBP-95	30-SRP-95	v	-	990	0.0
IN SOIL BY GC/	LM18	NNDNPA	BXZW0100	DV4S*435 OBOG	19-SEP-95	30-SRP-95	v	-	ned	0.0
IN SOIL BY GC/	LM18	NNDNPA	DX570300	DV4S*187 OEKG	13-SBP-95	26-SEP-95	v	7	990	66.7
IN SOIL BY	LM18	NNDNPA	DD570300	DV45*431 ORLG	13-SBP-95	26-SEP-95	•	-	990	66.7
Z	LM18	NNDNPA	DDZW0100	DV48*400 OBJG	11-SEP-95	28-SEP-95	v	**	990	0.0
IN SOIL BY	LM18	NNDNPA	DXZW0100	DV4S*289 OBJG	11-SEP-95	27-SBP-95	v	-	990	0.0
BNA'S IN SOIL BY GC/MS	LM18	NUDNEA	RD570405	DV45*436 OBOG	19-SEP-95	29-SEP-95	v	ij	nag	0.0
IN SOIL BY	LM18	NNDNPA	KX570405	DV4S*104 OROG	19-SEP-95	29-SRP-95	v	ų	nge	0.0
BNA'S IN SOIL BY GC/MS	LM18	NADPA	BXAX0215	DV4S*217 OFTG	27-SBP-95	10-0CT-95	v	.19	nge	0.0
IN SOIL BY GC/	LM18	NNDPA	BDAX0215	DV45*442 OFTG	27-SBP-95	10-0CT-95	v	.19	nge	0.0
IN SOIL BY	LM18	NNDPA	BXZW0100	DV4S*435 OROG	19-382-95	30-SEP-95	v	-	000	0.0
SOIL BY GC/	I.M18	NNDPA	BXZW0100		19-SEP-95	30-SBP-95	v	-	000	0.0
IN SOIL BY GC/	LM18	NNDPA	DX570300	DV4S*187 OEKG	13-SBP-95	26-SBP-95	v	4	nge nee	66.7
IN SOIL	LM18	NNDPA	DD570300	DV48*431 ORLG	13-SRP-95	26-SEP-95	v	-	nag	66.7
IN SOIL BY GC/	IM18	NNDPA	DXZW0100		11-SEP-95	27-SEP-95	v	-	UGG	0.0
IN SOIL BY GC/	IM18	NNDPA	DDZW0100	DV45*400 OBJG	11-SRP-95	28-SEP-95	v	т	nge	0.0
BNA'S IN SOIL BY GC/MS	LM18	NNDPA	EX570405	DV4S*104 OROG	19-SBP-95	29-SEP-95	v	.19	ugg	0.0
IN SOIL BY GC/	LM18	NNDPA	RD570405	DV4S*436 OROG	19-SBP-95	29-SBP-95	v	.19	990	0.0
BNA'S IN SOIL BY GC/MS	LM18	PCB016	BXAX0215	DV4S*217 OFTG	27-SBP-95	10-0CL-95	v	1.4	nge	0.0
	I.M.18	PCB016	BDAX0215	DV4S*442 ORTG	27-SBP-95	10-0CI-95	, v	1.4	990	0.0

Chemical Quality Control Report Installation: Fort Devens, MA (DV) Group 2, 7 Sites

Method Description	IRDMIS Method Code	Test Name	IRDMIS Field Sample Number	Lab Number Lot	Sample Date	Analysis Date <	Value	Unite	RPD
BNA'S IN SOIL BY GC/MS	3 LM18	PCB016	BXZW0100	DV4S*435 OBOG	19-38P-95	30-8BP-95 <	7	DED	0.0
IN SOIL BY G	3 LM18	PCB016	BXZW0100	DV45*246 OBOG	3 19-SEP-95	30-SRP-95 <	7	nee	0.0
SOIL BY	3 LM18	PCB016	DX570300	DV4S*187 OEKG	3 13-SRP-95	26-SEP-95 <	10	nag	35.3
IN SOIL BY	3 LM18	PCB016	DD570300	DV48*431 OBLG	3 13-SEP-95	26-SRP-95 <	7	ned	35.3
IN SOIL BY	3 LM18	PCB016	DDZW0100	DV4S*400 OBJG	3 11-SRP-95	28-SEP-95 <	7	nea	0.0
IN SOIL BY	3 LM18	PCB016	DXZW0100	DV4S*289 OBJG	3 11-SEP-95	27-SEP-95 <	7	ned	0.0
IN SOIL BY		PCB016	EX570405	DV4S*104 OBOG	3 19-SEP-95	29-SRP-95 <	1.4	nad	0.0
BNA'S IN SOIL BY GC/MS	3 LM18	PCB016	RD570405	DV4S*436 OROG	3 19-SEP-95	29-SBP-95 <	1.4	ned	0.0
			!			:			
IN SOIL BY	-	PCB221	BXAX0215		•	10-0CT-95 <	1.4	900	0.0
IN SOIL BY	_	PCB221	BDAX0215		••	10-0CT-95 <	1.4	DOO	0.0
IN SOIL BY	_	PCB221	BXZW0100	DV43*246 0BOG	3 19-SEP-95	30-SRP-95 <	7	900	0.0
IN SOIL BY		PCB221	BXZW0100	DV48*435 080G	3 19-SRP-95	30-SEP-95 <	7	pen	0.0
IN SOIL BY	3 LM18	PCB221	DX570300	DV4S*187 OEKG	3 13-SEP-95	26-SBP-95 <	10	000	35.3
SOIL BY	1 LM18	PCB221	DD570300	DV45*431 ORLG	3 13-SEP-95	26-SBP-95 <	7	pen	35.3
IN SOIL BY G	1 LM18	PCB221	DDZW0100	DV48*400 OBJG	3 11-SEP-95	28-SBP-95 <	7	990	0.0
IN SOIL BY G	_	PCB221	DXZMO100	DV45*289 OBJG	3 11-SEP-95	27-SRP-95 <	7	pen	0.0
IN SOIL BY		PCB221	EX570405	DV4S*104 OBOG	3 19-SEP-95	29-SBP-95 <	1.4	ned	0.0
BNA'S IN SOIL BY GC/MS	1 LM18	PCB221	KD570405	DV43*436 OBOG	3 19-SEP-95	29-SEP-95 <	1.4	DEGO.	0.0
IN SOIL BY	_	PCB232	BXAX0215			10-0CT-95 <	1.4	8	0.0
IN SOIL BY	_	PCB232	BDAX0215	DV4S*442 OFIG	3 27-SEP-95	10-0CT-95 <	1.4	999	0.0
IN SOIL		PCB232	BXZW0100	DV4S*435 OBOG	3 19-SEP-95	30-SEP-95 <	7	nee	0.0
IN SOIL BY		PCB232	BXZW0100	DV4S*246 OBOG	1 19-SEP-95	30-SBP-95 <	7	pen	0.0
BNA'S IN SOIL BY GC/MS	1 LM18	PCB232	DX570300	DV4S*187 OEKG	3 13-SEP-95	26-SBP-95 <	10	nee	35.3
IN SOIL BY G	I IM18	PCB232	DD570300	DV4S*431 OBLG	3 13-SRP-95	26-SBP-95 <	7	000	35.3
IN SOIL BY		PCB232	DDZW0100	DV4S*400 OBJG	3 11-SRP-95	28-SEP-95 <	7	nee	0.0
IN SOIL BY		PCB232	DXZW0100	DV4S*289 OEJG	3 11-SEP-95	27-SEP-95 <	7	nee	0.0
IN SOIL BY	1 LM18	PCB232	EX570405	DV4S*104 OROG	3 19-SEP-95	29-SBP-95 <	1.4	nec	0.0
BNA'S IN SOIL BY GC/MS		PCB232	RD570405	DV4S*436 OROG	3 19-SEP-95	29-SBP-95 <	1.4	nec	0.0
BX		PCB242	BXAX0215	DV48*217 OBTG		10-0CT-95 <	1.4	990	0.0
BNA'S IN SOIL BY GC/MS	IM18	PCB242	BDAX0215	DV48*442 OBTG	3 27-SEP-95	10-0CT-95 <	1.4	DED	0.0

Chemical Quality Control Report Installation: Fort Devens, MA (DV) Group 2, 7 Sites

Method Description	IRDMIS Method Code	Test Name	IRDMIS Field Sample Number	Lab Number Lot	Sample Date	Analysis Date	P	alue	Value Unite	RPD
BNA'S IN SOIL BY GC/MS	LM18	PCB242	BXZW0100	DV48*246 OBOG	19-SBP-95	30~SRP-95	v	7	nac	0.0
IN SOIL	LM18	PCB242	BXZW0100	DV4S*435 OBOG	19-SRP-95	30-SEP-95	v	7	UGG	0.0
IN SOIL BY	LW18	PCB242	DX570300	DV45*187 OKKG	13-SEP-95	26-SRP-95	v	10	DOO	35.3
IN SOIL BY	LM18	PCB242	DD570300	DV4S*431 OBLG	13-SRP-95	26-SRP-95	v	_	UGG	35.3
IN SOIL BY	LM18	PCB242	DDZW0100	DV4S*400 ORJG	11-SEP-95	28-SRP-95	v	7	nge	0.0
IN SOIL BY	LM18	PCB242	DXZW0100	DV4S*289 OBJG	11-SRP-95	27-SRP-95	v	7	DOC	0.0
IN SOIL BY	LM18	PCB242	KX570405	DV4S*104 OBOG	19-SRP-95	29-SEP-95	v	1.4	DOG	0.0
IN SOIL	LM18	PCB242	RD570405	DV4S*436 OBOG	19-SEP-95	29-SBP-95	v	1.4	UGG	0.0
BNA'S IN SOIL BY GC/MS	IM18	PCB248	BXAX0215	DV48*217 OFTG	27-SEP-95	10-0CT-95	v	~	pen	0.0
IN SOIL BY	LM18	PCB248	BDAX0215	DV45*442 OFTG		10-0CT-95	v	01	nad	0.0
IN SOIL BY	LM18	PCB248	BXZW0100	DV4S*435 OBOG	19-SEP-95	30-SBP-95	v	10	nae	0.0
IN SOIL BY	LM18	PCB248	BXZW0100	DV45*246 OBOG	19-SRP-95	30-SRP-95	v	10	nee	0.0
IN SOIL BY	LM18	PCB248	DX570300	DV4S*187 OKKG	13-SEP-95	26-SBP-95	v	50	nad	66.7
IN SOIL BY	LM18	PCB248	DD570300	DV4S*431 OELG	13-SRP-95	26-SBP-95	v	10	DOO	66.7
IN SOIL BY	LM18	PCB248	DDZW0100	DV4S*400 OBJG	11-SEP-95	28-SBP-95	v	10	ned	0.0
IN SOIL BY	I.M18	PCB248	DXZW0100	DV4S*289 OEJG	11-SRP-95	27-SBP-95	v	9	039	0.0
IN SOIL BY	LM18	PCB248	EX570405	DV4S*104 OROG	19-SEP-95	29-SBP-95	v	71	000	0.0
Z	LM18	PCB248	ED570405	DV4S*436 OBOG	19-SRP-95	29-SBP-95	v	7	999	0.0
SH/SS AG IIVO MI SIRMS	0.747	DOR954	RYBY0215	DV48*217 ORTG	27-SRP-95	10-0CT-95	v	2.3	000	0.0
TN SOTT, BY G	1.M18	PCB254	BDAX0215			10-0CT-95	v	2.3	nge	0.0
IN SOIL BY	1.818	PCB254	BXZW0100		19-SEP-95	30-SBP-95	v	10	000	0.0
IN SOIL	LM18	PCB254	BXZW0100	DV4S*435 OBOG	19-SEP-95	30-SBP-95	v	10	ned	0.0
IN SOIL BY	LM18	PCB254	DX570300	DV4S*187 OEKG	13-SRP-95	26-SRP-95	v	20	DOG	66.7
IN SOIL BY	LM18	PCB254	DD570300	DV48*431 OBLG	13-SRP-95	26-SBP-95	v	10	UGG	66.7
IN SOIL BY	IM18	PCB254	DDZW0100	DV4S*400 OBJG	11-SEP-95	28-3RP-95	v	10	000	0.0
IN SOIL	IM18	PCB254	DXZW0100	DV4S*289 OBJG	11-SEP-95	27-SBP-95	v	10	000	0.0
IN SOIL BY	LM18	PCB254	EX570405	DV4S*104 OROG	19-SEP-95	29-SBP-95	v	2.3	OGG	0.0
IN SOIL BY	LM18	PCB254	KD570405	DV45*436 OBOG	19-SEP-95	29-SRP-95	•	2.3	nee	0.0
DUNIG IN COIL BY CE /MG	TATA	PCR260	RXAX0215	DV48*217 ORTG	27-SBP-95	10-OCT-95	v	9.6	tigg	0.0
Z	1M18	PCB260	BDAX0215	DV48*442 OFTG		10-0CT-95		5.6	1090	0.0

Chemical Quality Control Report Installation: Fort Devens, MA (DV) Group 2, 7 Sites

Method Description	IRDMIS Method Code	Test	IRDMIS Field Sample Number	Lab Number Lot	Sample Date	Analysis Date	V	Value	Unite	RPD
BNA'S IN SOIL BY GC/MS	LM18	PCB260	BXZW0100	DV48*435 OROG	19-8RP-95	30-SRP-95	v	10	pen.	
SOIL BY	LM18	PCB260	BXZW0100	DV4S*246 OBOG	19-SBP-95	30-SRP-95	v	10	1000	0.0
IN SOIL BY	LM18	PCB260	DX570300	DV4S*187 OEKG	13-SBP-95	26~SBP-95	v	30	990	100.0
IN SOIL BY	LM18	PCB260	DD570300	DV4S*431 OBLG	13-SBP-95	26-SRP-95	v	10	nad	100.0
IN SOIL BY	LM18	PCB260	DDZW0100	DV4S*400 OBJG	11-SBP-95	28-SEP-95	•	10	990	0.0
IN SOIL BY GO	LM18	PCB260	DXZW0100	DV4S*289 OEJG	11-SEP-95	27-SBP-95	v	10	000	0.0
IN SOIL BY GC	LM18	PCB260	EX570405	DV4S*104 OROG	19-SRP-95	29-SEP-95	v	5.6	nga	0.0
IN SOIL BY GC	IM18	PCB260	RD570405	DV4S*436 OBOG	19-SBP-95	29-SRP-95	v	5.6	nag	0.0
PNA TO SOTT BY STANS	1.818	e d	BXAX0215	DV48*217 ORTG	27-SBP-95	10-0CT-95	v	1.3	pag	0.0
SOIL BY GC	LM18	PCP	BDAX0215		27-SRP-95	10-0CT-95	v	1.3	000	0.0
IN SOIL BY	LM18	PCP	BXZW0100	DV4S*246 OBOG	19-SRP-95	30-SBP-95	v	9	nag	0.0
IN SOIL BY	LM18	PCP PCP	BXZW0100	DV48*435 0BOG	19-SEP-95	30-SEP-95	v	9	990	0.0
IN SOIL BY GC	LM18	PCP	DX570300	DV4S*187 OEKG	13-SBP-95	26-SBP-95	v	10	000	50.0
IN SOIL BY	LM18	PCP	DD570300	DV4S*431 OBLG	13-SBP-95	26-SEP-95	v	9	000	50.0
	LM18	PCP	DXZW0100	DV4S*289 OBJG	11-SBP-95	27-SBP-95	v	9	nge	0.0
BNA'S IN SOIL BY GC/MS	LM18	PCP	DDZW0100	DV4S*400 OBJG	11-SBP-95	28-SEP-95	v	9	ned	0.0
IN SOIL BY	LM18	PCP	RD570405	DV4S*436 OBOG	19-SRP-95	29-SBP-95	•	1.3	990	0.0
BNA'S IN SOIL BY GC/MS	IM18	PCP	EX570405	DV4S*104 OBOG	19-SBP-95	29-SEP-95	•	1.3	D	0.0
ON/ 25 VO TIOS MI SINNS	2 1 1 1 0	DUBNITO	BYAYO21E	MV49#217 OFF	27-SED-95	10-07-95	,	בנט	500	c
IN SOIL BY GC	LW18	PHANTR	BDAX0215		27-SBP-95	10-0CT-95	· •	.033	990	0.0
IN SOIL BY	LM18	PHANTR	BXZW0100	DV4S*435 OROG	19-SEP-95	30-SBP-95	v	7	000	0.0
IN SOIL BY	LM18	PHANTR	BXZW0100	DV4S*246 0BOG	19-SRP-95	30-SBP-95	•	4	999	0.0
SOIL BY	LM18	PHANTE	DD570300	DV4S*431 ORLG	13-SBP-95	26-SBP-95		m	nge	40.0
SOIL BY	LM18	PHANTR	DX570300	DV4S*187 OEKG	13-SEP-95	26-SBP-95		ч	233	40.0
IN SOIL BY	IM18	PHANTR	DXZW0100	DV4S*289 OBJG	11-SBP-95	27-SBP-95		₩,	nod	28.6
IN SOIL BY	LM18	PHANTR	DDZW0100	DV4S*400 OBJG	11-SBP-95	28-SBP-95		9.	000	28.6
SOIL BY GC	LM18	PHANTR	EX570405	DV4S*104 OBOG	19-SEP-95	29-SBP-95	· v	.033	990	0.0
IN SOIL BY	IM18	PHANTR	ED570405	DV43*436 OROG	19-SEP-95	29-SRP-95	· v	. 033	nge	0.0
IN SOIL BY	LM18	PHENOL	BXAX0215	DV4S*217 OBTG	27-SBP-95	10-0CT-95	v	.11	990	0.0
BNA'S IN SOIL BY GC/MS	LM18	PHENOL	BDAX0215	DV48*442 OFTG	27-SBP-95	10-0CT-95	v	Ξ.	900	0.0

Chemical Quality Control Report Installation: Fort Devens, MA (DV) Group 2, 7 Sites

	IRDMIS		IRDMIS Field	•			•			•	
Method Description	Method Code	Test Name	Sample	Lab Number L	Į,	Sample Date	Analysis Date	v	Value	Unite	RPD
BNA'S IN SOIL BY GC/MS	LM18	PHRNOL	BXZW0100	DV4S*246 O	OROG	19-SEP-95	30-SBP-95	 - v	9.	1 550	0.0
SOIL BY	LM18	PHENOL	BXZW0100	DV4S*435 0	OROG	19-SRP-95	30-SBP-95	v	٠.	000	0.0
BNA'S IN SOIL BY GC/MS	LM18	PHENOL	DD570300	DV4S*431 0	ORIG	13-SBP-95	26-SEP-95	v	۰.	990	50.0
SOIL BY	LM18	PHENOL	DX570300	DV45*187 O	OKKG	13-SBP-95	26-SBP-95	•	-	nge	50.0
IN SOIL BY	LM18	PHENOL	DXZW0100	DV4S*289 O	OBJG	11-SEP-95	27-SBP-95	v	9.	ngg	0.0
IN SOIL BY	LM18	PHENOL	DDZW0100	DV4S*400 O	OEJG	11-SEP-95	28-SEP-95	v	۰.	nee	0.0
SOIL BY	LM18	PHENOL	RD570405	DV4S*436 O	OROG	19-SBP-95	29-SBP-95.	v	.11	990	0.0
IN SOIL	LM18	PHENOL	KX570405	DV4S*104 O	OROG	19-SEP-95	29-3BP-95	v	.11	nge	0.0
		GG	200000	0 2 5 5 7 5 7 5 7 5 7 5 7 5 7 5 7 5 7 5 7		0 000	10 100	,	7	5	ć
1	9	2000	DAMAGE 1	0 177-0140		70 70 70	100 01	, ,			
IN SOLL BY	SIW.	PPUDD	BUAKUZIS		5130	2/-SEP-95	10-001-95	v ·	7.	3 5	9 0
IN SOLL BY	RTWT	Propos	BAZWOLUG		9 1	56-385-6T	30-388-95	v	-	2	
IN SOIL BY	LM18	PPDDD	BXZW0100		OBOG	19-SEP-95	30-SBP-95	v	- 1	99	0.0
IN SOIL BY	LM18	PPDDD	DX570300		OKKG	13-SBP-95	26-SEP-95	v	e	699	100.0
IN SOIL BY	LM18	PPDDD	DD570300	DV4S*431 O	ORLG	13-SEP-95	26-SBP-95	v	-1	nge nge	100.0
BNA'S IN SOIL BY GC/MS	I.M18	GGG&&	DDZW0100	DV4S*400 O	OBJG	11-SRP-95	28-SEP-95	v	-	ned	0.0
BNA'S IN SOIL BY GC/MS	LM18	PPDDD	DXZW0100	DV4S*289 O	ORJG	11-SEP-95	27-SBP-95	v	-1	000	0.0
IN SOIL BY	LM18	DEDDD	EX570405	DV4S*104 O	OROG	19-SRP-95	29-SBP-95	v	.27	nge	0.0
IN SOIL BY	LM18	DDDDD	ED570405	DV4S*436 O	OROG	19-SEP-95	29-SBP-95	v	.27	000	0.0
				0		400	10 100	,	ř	5	•
TO THE SOLIT	0141	FFDDB	DAMAG		2	27-38C-12	120-01	,		3 5	
IN SOIL BY	LM18	PPDDB	BDAX0215		ORIG	27-SBP-95	10-0CI-95	v	.31	9	9.0
IN SOIL BY	IWI 8	MODAL	BXZW0100		ORC I	19-SKP-95	30-SKP-95	v	N	9	0.0
IN SOIL BY	LM18	PPDDB	BXZW0100		OROG	19-SEP-95	30-SEP-95	v	N	9	0.
BNA'S IN SOIL BY GC/MS	LM18	PPDDB	DX570300		OKKG	13-SRP-95	26-SBP-95	v	M	990	40.0
SOIL BY	LM18	BOOGA	DD570300	DV4S*431 0	OBLG	13-SBP-95	26-SBP-95	v	7	500	40.0
BNA'S IN SOIL BY GC/MS	LM18	PPDDB	DDZW0100	DV48*400 O	OBJG	11-SEP-95	28-SBP-95	v	7	ngd C	0.0
BNA'S IN SOIL BY GC/MS	LM18	PPDDR	DXZW0100	DV4S*289 O	ORJG	11-SEP-95	27-SBP-95	v	4	næ	0.0
BNA'S IN SOIL BY GC/MS	LM18	PPDDB	EX570405	DV4S*104 O	OBOG	19-SEP-95	29-SBP-95	v	.31	DOG	0.0
SOIL BY	LM18	PPDDB	KD570405	DV45*436 O	OROG	19-SEP-95	29-SBP-95	v	.31	ned	0.0
BNA'S IN SOIL BY GC/MS	LM18	PPDDT	BXAX0215	DV4S*217 ORTG		27-SBP-95	10-0CT-95	v	.31	ned	0.0
BNA'S IN SOIL BY GC/MS.	LM18	PPDDT	BDAX0215	DV4S*442 0	ORIG	27-SBP-95	10-0CI-95	v	.31	nog	0.0

Chemical Quality Control Report Installation: Fort Devens, MA (DV) Group 2, 7 Sites

Method Description	IRDMIS Method Code	Test	IRDMIS Field Sample Number	Lab Number Lot	Sample Date	Analysis Date	Ž ,	ilus I	Value Units	. GAR
IN SOIL BY		PPDDT	BXZW0100		19-SEP-95	30-SRP-95	v	7	990	0.0
IN SOIL BY	_	PPDDT	BXZW0100	DV45*246 OBOG	19-SBP-95	30-SEP-95	v	~	000	0.0
IN SOIL BY	LM18	PPDDT	DX570300	DV4S*187 ORKG	13-SBP-95	26-SBP-95	v	т	nag	40.0
IN SOIL BY	IM18	PPDOT	DD570300	DV4S*431 OBLG	13-SBP-95	26-SBP-95	v	4	DOO	40.0
BY	LM18	PPDDT	DDZW0100	DV45*400 OBJG	11-SRP-95	28-SEP-95	v	'n	DEO	0.0
IN SOIL BY		PPDDT	DXZW0100	DV43*289 OBJG	11-SRP-95	27-SBP-95	v	~	pen	0.0
IN SOIL BY	LM18	PPDDT	EX570405	DV43*104 OBOG	19-SBP-95	29-SBP-95		.31	nad	0.0
IN SOIL		PPDDT	RD570405	DV45*436 OBOG	19-SEP-95	29-SRP-95	v	.31	990	0.0
IN SOIL BY	1.018	PYR	BXAX0215	DV48*217 OFTG	27-SBP-95	10-0CT-95	ν.	. 033	990	0.0
SOIL BY G	LM18	PYR	BDAX0215	DV45*442 ORTG	27-SRP-95	10-0CT-95	·.	. 033	990	0.0
IN SOIL BY G	LM18	PYR	BXZW0100	DV4S*246 OBOG	19-SEP-95	30-SEP-95	v	4	000	0.0
IN SOIL BY G	LM18	PYR	BXZW0100	DV4S*435 0BOG	19-SEP-95	30-SRP-95	v	ų	nag	0.0
IN SOIL BY G	LM18	PYR	DD570300	DV4S*431 OBLG	13-SRP-95	26-SRP-95		9	DBQ.	18.2
SOIL BY G	LM18	PYR	DX570300	DV4S*187 ORKG	13-SEP-95	26-SBP-95		'n	nee	18.2
IN SOIL BY G	LM18	PYR	DXZMOIOO	DV4S*289 OBJG	11-SRP-95	27-SBP-95		n	nod	66.7
IN SOIL BY GO	LM18	PYR	DDZW0100	DV43*400 ORJG	11-SEP-95	28-SEP-95			nod	66.7
IN SOIL BY G	LM18	PYR	ED570405	DV43*436 OBOG	19-SBP-95	29-SEP-95	·. •	.033	500	0.0
IN SOIL BY G	LM18	PYR	EX570405	DV4S*104 OBOG	19-SEP-95	29-SEP-95	٠. ٧	.033	99	0.0
SOIL BY	1,418	SMOLE	DD570300	DV4S*431 OBLG	13-SRP-95	26-SRP-95	••	200	500	0.0
BY G	LM18	SMOLE	DXS70300	DV45*187 OEKG	13-SBP-95	26-SEP-95	•	200	990	0.0
	·			P4740+117 CONT.	37_600-9E	10-00-05	. `	,		•
IN SOLL BY	1410	Mana	BUAYO215		27-SED-95	10-07-95	,		E E	
1108	• •-	TXPHEN	BXZW0100		19-SBP-95	30-SBP-95	· •	2	990	0.0
IN SOIL BY		TXPHEN	BXZW0100		19-SEP-95	30-SBP-95	v		nee	0.0
IN SOIL BY		TXPHEN	DX570300	DV4S*187 ORKG	13-SEP-95	26-SBP-95	v	30	D EN	100.0
IN SOIL BY	LM18	TX PHEN	DD570300	DV4S*431 OBLG	13-SRP-95	26-SEP-95	v	2	nee	100.0
IN SOIL BY	IM18	TXPHEN	DDZW0100	DV4S*400 ORJG	11-SBP-95	28-SBP-95	v	10	nee	0.0
IN SOIL BY		TX PHEN	DXZW0100	DV4S*289 OBJG	11-SBP-95	27-SBP-95	v	10	nee	0.0
IN SOIL BY	IM18	TX PHEN	KD570405	DV4S*436 OBOG	19-SBP-95	29-SBP-95	•	5.6	nec	0.0
SOIL BY	LM18	TX PHEN	EX570405	DV4S*104 OEOG	19-SBP-95	29-SBP-95	v	9.2	nee	0.0

Chemical Quality Control Report Installation: Fort Devens, MA (DV) Group 2, 7 Sites

Method Description	IRDNIS Method Code	Test Name	IRDMIS Field Sample Number	Lab Number Lot	Sample Date	Analysis Date	v	Value	Value Unite	RPD
ENA'S IN SOIL BY GC/MS	LM18	UNK601	BXZW0100	DV4S*246 OBOG	OG 19-SRP-95	30-SRP-95		*	, Sen	. 4.99
IN SOIL BY GO	LM18	UNK601	BXZW0100	DV48*435 OBOG	OG 19-SBP-95	30-SBP-95		~	000	66.7
SOIL BY	1,418	UNIKEO3	BXZW0100	DV48*246 0BOG	C 19-SEP-95	30-SBP-95		200	nge	50.0
BY G	LM18	UNIXEO3	BXZW0100	DV48*435 0BOG	OG 19-SEP-95	30-SBP-95		300	990	50.0
VOC'S IN SOIL BY GC/MS	LM19	111TCB	BXAX0215	DV45*217 YGZG	ZG 27-SBP-95	02-0CT-95	v	.0044	990	0.0
IN SOIL BY	LM19	111TCB	BDAX0215		AH 27-SEP-95	03-0CI-95	v	.0044	000	0.0
IN SOIL BY	LM19	111TCB	BXZW0100		•	26-SBP-95	v	.0044	8	0.0
IN SOIL BY	LM19	111TCB	BXZW0100	DV48*435 YGYG		29-SBP-95	v	.0044	99	0.0
IN SOIL BY	LM19	111TCB	DX570300	DV4S*187 YGUG	• •	19-SEP-95	v	.0044	990	127.9
IN SOIL BY	LM19	111TCB	DD570300	DV4S*431 YGVG		20-382-95	v	.02	993	127.9
IN SOIL BY	LM19	111TCB	DDZW0100	DV4S*400 YGSG		19-SEP-95	ý	.0044	990	0.0
IN SOIL BY GC	LM19	111TCB	DXZW0100	DV45*289 YGSG	3G 11-SEP-95	18-SEP-95	v	.0044	993	0.0
IN SOIL BY	LM19	111TCE	EX570405	DV4S*104 YGWG	#G 19-SEP-95	26-SEP-95	v	.0044	993	0.0
IN SOIL BY	LM19	111TCB	KD570405	DV45*436 YGWG	MG 19-SBP-95	27-SBP-95	v	.0044	999	0.0
VOC'S IN SOIL BY GC/MS	1.M19	112TCB	BDAX0215	DV4S*442 YGAH	AH 27-SRP-95	03-0CT-95	٧	.0054	DEC	0.0
IN SOIL BY	IM19	112TCB	BXAX0215			02-0CT-95	٧	.0054	99	0.0
IN SOIL BY	LM19	112TCB	BXZW0100	DV4S*435 YGYG	IG 19-SEP-95	29-SRP-95	v	.0054	99	0.0
BX	LM19	112TCB	BXZW0100	DV45*246 YGMG	AG 19-SRP-95	26-SRP-95	v	.0054	993	0.0
SOIL BY	LM19	112TCB	DXS70300	DV4S*187 YGUG	3G 13-88P-95	19-SRP-95	v	.0054	990	139.0
VOC'S IN SOIL BY GC/MS	LM19	112TCB	DD570300	DV4S*431 YGVG	7G 13-SRP-95	20-SRP-95	v	.03	99	139.0
IN SOIL BY GC	IM19	112TCB	DDZW0100	DV48*400 YGSG	• •	19-SBP-95	V	.0054	900	0.0
IN SOIL BY	LM19	112TCB	DX ZW0100		•	18-SEP-95	v	.0054	990	0.0
S IN SOIL	LM19	112TCB	ED570405		• •	27-SEP-95	v	.0054	200	0.0
IN SOIL BY	LM19	112TCB	EX570405	DV4S*104 YGWG	NG 19-SBP-95	26-SBP-95	v	.0054	993	0.0
VOC'S IN SOIL BY GC/MS	1M19	11DCB	BXAX0215	DV48*217 YGZG	ZG 27-SRP-95	02-0CT-95	v	0039	000	0.0
SOIL BY GC	LM19	11DCB	BDAX0215	DV48*442 YGAH		03-0CT-95	٠ ٧	6000	900	0.0
VOC'S IN SOIL BY GC/MS	1M19	11DCB	BXZW0100	DV48*246 YGWG		26-SEP-95	, v	.0039	900	0.0

Chemical Quality Control Report Installation: Fort Devens, MA (DV) Group 2, 7 Sites

Wethod Description	IRDMIS Method Code	Test Name	IRDMIS Field Sample Number	Lab Number Lot	Sample Date	Analysis Date	v	Value	Unite	RPD
N	LM19	11DCB	BXZW0100	-	19-SBP-95	29-SBP-95	v	.0039	000	0.0
IN SOIL BY	1,413	11DCB	DX570300		13-SRP-95	19-SEP-95	v	.0039	990	134.7
IN SOIL BY	LW19	IIDCE	00570300		13-SRP-95	20-SRP-95	v	. 02	ogo	134.7
IN SOIL BY	LM19	11DCB	DDZW0100		11-SEP-95	19-SEP-95	v	.0039	990	0.0
IN SOIL BY	LM19	11DCB	DXZW0100		11-SBP-95	18-SEP-95	v	.0039	99	0.0
IN SOIL BY	LM19	11DCB	EX570405		19-SEP-95	26-SEP-95	v	.0039	552	0.0
VOC'S IN SOIL BY GC/MS	IM19	11DCB	KD570405	DV4S*436 YGWG	19-SRP-95	27-SEP-95	v	.0039	990	0.0
VOC'S IN SOIL BY GC/MS	1,419	11DCLR	BDAX0215	DV4S*442 YGAH	27-SEP-95	03-0CT-95	v	.0023	nag	0.0
IN SOIL BY	LM19	11DCLB	BXAX0215	DV4S*217 YGZG	27-SBP-95	02-OCT-95	•	.0023	nag	0.0
VOC'S IN SOIL BY GC/MS	LM19	11DCLB	BXZW0100	DV4S*435 YGYG	19-SBP-95	29-SEP-95	v	.0023	990	0.0
VOC'S IN SOIL BY GC/MS	LM19	11DCLB	BXZW0100	DV48*246 YGWG	19-SEP-95	26-SEP-95	v	.0023	nag	0.0
VOC'S IN SOIL BY GC/MS	LM19	11DCLE	DX570300	DV4S*187 YGUG	13-SEP-95	19-SEP-95	•	.0023	nag	125.2
IN SOIL BY	IM19	11DCLB	DD570300	DV4S*431 XGVG	13-SEP-95	20-SEP-95	v	.01	000	125.2
IN SOIL BY	LM19	11DCLB	DDZW0100	DV4S*400 YGSG	11-SRP-95	19-SEP-95	v	.0023	OGG	0.0
IN SOIL BY	LM19	11DCLB	DXZW0100	DV4S*289 YGSG	11-SRP-95	18-SEP-95	v	.0023	000	0.0
S IN SOIL BY	LM19	11DCLB	ED570405	DV4S*436 YGMG	19-SBP-95	27-SBP-95	v	.0023	000	0.0
VOC'S IN SOIL BY GC/MS	LM19	11DCLB	RX570405	DV4S*104 YGWG	19-SBP-95	26-SBP-95	v	.0023	ngg	0.0
VOC'S IN SOIL BY GC/MS	LM19	12DCB	BDAX0215	DV4S*442 YGAH	27-SBP-95	03-OCT-95	v	.003	990	0.0
VOC'S IN SOIL BY GC/MS	LM19	12DCB	BXAX0215	DV4S*217 YGZG	27-SBP-95	02-OCT-95	v	.003	990	0.0
IN SOIL BY	LM19	12DCB	BXZW0100	DV48*246 YGMG	19-SEP-95	26-SRP-95	v	.003	100	0.0
IN SOIL BY	LM19	12DCB	BXZW0100	DV48*435 YGYG	19-SEP-95	29-SEP-95	v	.003	200	0.0
IN SOIL BY	IM19	12DCB	DX570300		13-SRP-95	19-SEP-95	v	.003	990	147.8
IN SOIL BY	LM19	12DCB	DD570300	DV4S*431 YGVG	13-SBP-95	20-SEP-95	v	.02	99	147.8
IN SOIL BY	LM19	12DCB	DDZW0100	DV4S*400 YGSG	11-SRP-95	19-SEP-95	v	.003	nag	0.0
IN SOIL BY	LM19	12DCB	DXZW0100	DV4S*289 YGSG	11-SBP-95	18-SEP-95	v	.003	nag	0.0
S IN SOIL BY	IM19	12DCB	RD570405	DV48*436 XGMG	19-SRP-95	27-SEP-95	v	.003	DEN	0.0
VOC'S IN SOIL BY GC/MS	IM19	12DCB	EX570405	DV4S*104 YGWG	19-SBP-95	26-SBP-95	v	.003	990	0.0
VOC'S IN SOIL BY GC/MS	IM19	12DCLB	BXAX0215	DV48*217 YGZG	27-SBP-95	02-0CT-95	v	.0017	200	0.0
VOC'S IN SOIL BY GC/MS	LM19	12DCLB	BDAX0215	DV4S*442 YGAH	27-SBP-95	03-0CT-95	•	.0017	ngg	0.0
Z	1M19	12DCLE	BXZW0100		19-SBP-95	26-SEP-95	v	.0017	200	0.0

Chemical Quality Control Report Installation: Fort Devens, MA (DV) Group 2, 7 Sites

Method Description	IRDMIS Method Code	Test Name	IRDMIS Field Sample Number	Lab Number	Şot	Sample Date	Analysis Date	, V <u>.</u>	Value	Unite	RPD
TOUR TEN SOIT, BY GC/RS	IM19	12DCLB	BXZW0100	DV4S*435 Y	YGYG	19-SBP-95	29-SRP-95	v	.0017	teg	0.0
SOTI. BY GO	LM19	12DCLB	DX570300	DV4S*187 Y	YGUG	13-SBP-95	19-SBP-95	v	.0017	999	121.8
OTT. BY GO	IM19	12DCLB	DD570300		XGVG	13-SEP-95	20-SEP-95	v	.007	0 <u>0</u> 0	121.8
8	LM19	12DCLB	DDZW0100		YG9G	11-SEP-95	19-SRP-95	v	.0017	nec	0.0
SOTT, BY GC	1M19	12DCLB	DXZW0100	DV4S*289 Y	YGSG	11-SRP-95	18-SRP-95	v	.0017	990	0.0
SOIL BY GC	LM19	12DCLR	RD570405	DV4S*436 Y	YGWG	19-3RP-95	27-SBP-95	v	.0017	neg	0.0
SOIL	1,419	12DCLE	EXS70405	DV48*104 Y	YGWG	19-SEP-95	26-SEP-95	v	.0017	nee	0.0
PM/ 25 VG .TTOO MT BIDGE	1.M19	12DCT.D	RDAX0215	DV4S*442 Y	YGAH	27-SRP-95	03-OCT-95	v	.0029	990	0.0
IN SOLL BY G	1.819	12DCLP	BXAX0215		YGZG	27-SBP-95	02-0CT-95	v	.0029	ngd ngd	0.0
IN SOIL BY	1M19	12DCLP	BXZW0100		YGYG	19-SBP-95	29-SEP-95	v	.0029	DE)	0.0
2	LM19	12DCLP	BXZW0100		YGWG	19-SBP-95	26-SEP-95	v	.0029	950	0.0
IN SOIL BY	LM19	12DCLP	DX570300	DV4S*187 Y	YGUG	13-SBP-95	19-SEP-95	v	.0029	990	110.1
IN SOIL BY GO	1M19	12DCLP	DD570300	DV4S*431 Y	YGVG	13-SRP-95	20-SBP-95	v	.01	99	110.1
IN SOIL BY	LM19	12DCLP	DDZW0100	DV48*400 Y	YGSG	11-SBP-95	19-SBP-95	v	.0029	039	0.0
IN SOIL BY	1,419	12DCLP	DXZMO100	DV4S*289 Y	YGSG	11-SEP-95	18-SRP-95	v	.0029	990	0.0
IN SOIL BY	IM19	12DCLP	EX570405	DV4S*104 Y	YGMG	19-SBP-95	26-SEP-95	v	.0029	ngg	0.0
BY	LW19	12DCLP	RD570405		YGWG	19-SRP-95	27-SRP-95	v	.0029	100	0.0
	1410	מונים דיי כ	RYAY0215	DV48*217 YGZG	925	27-SRP-95	02-OCT-95	v	.01	pen	0.0
3 6	1810 1810	SCT. HVR	RDAX0215	DV48*442 Y	YGAH	27-SBP-95	03-0CI-95	v	.01	993	0.0
IN SOIL BY	1M19	2CLBVB	BXZW0100		YGWG	19-SEP-95	26-SRP-95	v	.01	9	0.0
TN SOTT. BY	1,419	2CLBVB	BXZW0100	DV48*435 Y	YGYG	19-SEP-95	29-SEP-95	v	.01	UGG	0.0
IN SOIL BY	LM19	2CLBVB	DD570300	DV48*431 Y	YGVG	13-SRP-95	20-SRP-95	v	.05	9	133.3
IN SOIL BY	LM19	2CLRVB	DX570300	DV4S*187 Y	YGUG	13-SRP-95	19-SRP-95	v	.01	990	133.3
IN SOIL BY	LM19	2CLRVB	DDZW0100	DV4S*400 Y	YGSG	11-SEP-95	19-SEP-95	v	.01	993	0.0
IN SOIL BY	LM19	2CLEVE	DXZW0100	DV4S*289 Y	YGSG	11-SRP-95	18-3BP-95	v	.01	g	0.0
IN SOIL BY	LM19	2CLEVE	RD570405	DV4S*436 Y	YGWG	19-SBP-95	27-SRP-95	v	.01	98	0.0
8	LM19	2 CLEVE	EX570405	DV4S*104 Y	YGMG	19-SEP-95	26-SRP-95	v	.01	200	0.0
מאיי של מיים מיים מיים מיים מיים מיים מיים מיי	9	£ div	BD8Y0215	TV48*442 V	YGAH	27-SRP-95	03-0CT-95	v	.017	nge n	0.0
VOCTS IN SOLL BY SCAME	THIS	TO CO	DYNAMO	T0740#217	727	27-SRD-95	02-0CT-95		.017	nee	0.0
VOC'S IN SOIL BY GC/MS	IM19	ACET	BXZW0100	DV45*246 YGWG	D#G	19-SEP-95	26-SBP-95	v	.017	000	0.0

Chemical Quality Control Report Installation: Fort Devens, MA (DV) Group 2, 7 Sites

A de la constanta de la consta	IRDMIS	Test	IRDMIS Pield Sample	Lab	Sample	Analysis	,		1	ć
Macilon Description	B	Notice	Tacara.		- Carca	Date	v !	Value		A P
IN SOIL BY	LM19	ACET	BXZW0100	DV4S*435 YGYG	19-SRP-95	29-SRP-95	v	.017	000	. 0.0
IN SOIL BY	1.119	ACET	DX570300	DV43*187 YGUG	.,	19-SBP-95	v	.017	689	196.6
IN SOIL BY	LM19	ACET	DD570300	DV4S*431 YGVG	•	20-SEP-95		7	nge	196.6
	LM19	ACET	DDZW0100	DV4S*400 YGSG		19-SEP-95	v	.017	983	0.0
IN SOIL BY	LM19	ACET	DXZW0100	DV4S*289 YGSG	11-SEP-95	18-3RP-95	v	.017	993	0.0
IN SOIL BY	LM19	ACET	ED570405	DV45*436 YGMG		27-SRP-95	v	.017	ngg	0.0
IN SOIL BY	LM19	ACET	EX570405	DV4S*104 YGWG	19-SEP-95	26-SEP-95	v	.017	ngg	0.0
WAC'S IN SOIL BY GC/MS	1.841.0	MICOLA	RYBY0215	TW45#217 YGZG	30-025-7C	102-CCT-95	,	-	2541	6
IN SOIL BY G	1.M19	ACROIN	BDAX0215			03-007-95	′ \	! -	501	
IN SOIL BY GO	LM19	ACROLIN	BXZW0100			26-SRP-95		: -:	99	0,0
IN SOIL BY GC	LM19	ACROLIN	BX 2W0100			29-SBP-95	v	-	nod	0.0
BY G	LM19	ACROLIN	DD570300	DV4S*431 YGVG	13-SEP-95	20-8BP-95	v	'n	990	133.3
IN SOIL BY GO	LM19	ACROLIN	DX570300	DV4S*187 YGUG	13-SBP-95	19-SRP-95	•	٦.	ned	133.3
IN SOIL BY GO	LM19	ACROLN	DDZW0100	DV4S*400 YGSG	11-SEP-95	19-SEP-95	v	۲:	1000	0.0
IN SOIL BY GC	LM19	ACROLN	DXZW0100	DV4S*289 YGGG	11-SEP-95	18-SBP-95	v	۲.	993	0.0
SOIL BY	LM19	ACROLN	RD570405	DV4S*436 YGMG	19-SEP-95	27-SEP-95	v	۲.	993	0.0
Z	LM19	ACROLIN	EX570405	DV4S*104 YGWG	19-SEP-95	26-SBP-95	v	۲.	000	0.0
WAY OF IN SOIL BY CAN	T.M.1 9	O LA GOOD	RDAY0215	PUZE*442 VCBH	27-820-65	03-00T-9E	,	٠	2524	•
TN COTT. BY C	1810	ACOVIO	BYAY0215			20 00 00	, ,	: -		
IN SOIL BY GO	1819	ACRYLO	BXZW0100		• • •	29-SBP-95	, v	! =	8 29	0.0
IN SOIL BY GO	LM19	ACRYLO	BXZW0100			26-SRP-95		י :	nge	0.0
IN SOIL BY GO	1,419	ACRYLO	DD570300	DV4S*431 YGVG	13-SEP-95	20-SBP-95	v	ĸ.	ngg	133.3
IN SOIL BY GO	LM19	ACRYLO	DXS70300	DV4S*187 YGUG	13-SRP-95	19-SRP-95	v	۲.	883	133.3
IN SOIL BY GC	LM19	ACRYLO	DDZW0100	DV4S*400 YGSG	11-SRP-95	19-SRP-95	v	ਜ਼ :	993	0.0
IN SOIL BY GO	LM19	ACRYLO	DXZW0100	DV4S*289 YGSG	11-SEP-95	18-SKP-95	v	۲.	993	0.0
IN SOIL BY GC	LM19	ACRYLO	EX570405	DV4S*104 YGWG	19-SEP-95	26-SBP-95	v	۲.	nee	0.0
IN SOIL BY	LM19	ACRYLO	ED570405	DV45*436 YGMG	19-SEP-95	27-SEP-95	v	۲.	990	0.0
VOC'S IN SOIL BY GC/MS	1.M19	BRDCLM	BDAX0215	DV48*442 YGAH	27-SBP-95	03-0CT-95	v	.0029	nge	0
-	LM19	BRDCIM	BXAX0215	DV4S*217 YGZG		02-0CT-95	٧	.0029	g	0.0
VOC'S IN SOIL BY GC/MS	LW19	BRDCIA	BXZW0100	DV45*246 YGMG		26-SRP-95	v	.0029	000	0.0

Chemical Quality Control Report Installation: Fort Devens, MA (DV) Group 2, 7 Sites

Method Description	IRDMIS Method Code	Test Name	IRDMIS Pield Sample Number	Lab Number Lot		Sample Date	Analysis Date	v	Value	Unite	RPD
VOC'S IN SOIL BY GC/MS	IM19	BRDCLM	BXZW0100	DV48*435 YG		19-SBP-95	29~SRP-95		.0029	nge	0.0
VOC'S IN SOIL BY GC/MS	LM19	BRDCLM	DX570300		•	13-SBP-95	19-SEP-95	v	.0029	990	110.1
VOC'S IN SOIL BY GC/MS	LM19	BRDCLM	DD570300	DV4S*431 YG	YGVG 1:	13-SEP-95	20-SBP-95	v	.01	993	110.1
VOC'S IN SOIL BY GC/MS	IM19	BRDCLM	DDZW0100	DV4S*400 YG	YGSG 1	11-SRP-95	19-SEP-95	v	.0029	nge	0.0
VOC'S IN SOIL BY GC/MS	LM19	BRDCLM	DXZW0100	DV4S*289 YG	YGSG 1	11-SRP-95	18-SEP-95	v	.0029	nee	0.0
VOC'S IN SOIL BY GC/MS	LM19	BRDCLM	BD570405	DV4S*436 YG	YGWG 1	19-SRP-95	27-SRP-95	v	.0029	UGG	0.0
VOC'S IN SOIL BY GC/MS	LM19	BRDCLM	RX570405	DV4S*104 YG	YGWG 1	19-SRP-95	26-SRP-95	v	.0029	nee	0.0
VOC'S IN SOIL BY GC/MS	LM19	CL3DCP	BXAX0215	DV4S*217 YGZG		27-SRP-95	02-OCT-95	v	.0032	000	0.0
IN SOIL BY	LM19	C13DCP	BDAX0215	DV45*442 YG	YGAH 2	27-SBP-95	03-0CT-95	v	.0032	990	0.0
VOC'S IN SOIL BY GC/MS	LM19	CL3DCP	BXZW0100	DV4S*246 YG	YGWG 1	19-SRP-95	26-SRP-95	v	.0032	nee	0.0
VOC'S IN SOIL BY GC/MS	LM19	C13DCP	BXZW0100	DV4S*435 YG	YGYG 1	9-SEP-95	29-SRP-95	v	.0032	nge nee	0.0
VOC'S IN SOIL BY GC/MS	LM19	C13DCP	DX570300	DV4S*187 YG	YOUG 1	13-SRP-95	19-SEP-95	v	.0032	age	144.8
VOC'S IN SOIL BY GC/MS	LM19	C13DCP	DD570300	DV4S*431 YG	YGVG 1	13-SBP-95	20-SEP-95	v	.02	UGG	144.8
VOC'S IN SOIL BY GC/MS	LM19	C13DCP	DDZW0100	DV4S*400 YG	YGSG 1	11-SEP-95	19-SEP-95	v	.0032	136	0.0
VOC'S IN SOIL BY GC/MS	LM19	C13DCP	DXZW0100	DV4S*289 YG	YGSG 1	11-SEP-95	18-SEP-95	v	.0032	999	0.0
	LM19	C13DCP	RD570405	DV4S*436 YG	YGMG 1	19-SRP-95	27-SRP-95	v	.0032	200	0.0
VOC'S IN SOIL BY GC/MS	IM19	C13DCP	EX570405	DV4S*104 YG	YGWG 1	19-SBP-95	26-SBP-95	v	.0032	nee	0.0
VOC'S IN SOIL BY GC/MS	LM19	CZAVB	BDAX0215	DV4S*442 YG	YGAH 2	27-SBP-95	03-0CT-95	v	. 032	000	0.0
IN SOIL BY	LM19	CZAVB	BXAX0215	DV4S*217 YG		27-SEP-95	02-OCT-95	v	.032	000	0.0
VOC'S IN SOIL BY GC/MS	L#19	C2AVE	BXZW0100	DV4S*246 YG	YGMG 1	19-SRP-95	26-SEP-95	v	. 032	nge	0.0
VOC'S IN SOIL BY GC/MS	LM19	CZAVB	BXZW0100			19-SEP-95	29-SEP-95	v	.032	000	0.0
VOC'S IN SOIL BY GC/MS	LM19	CZAVB	DX570300		-	13-SRP-95	19-SEP-95	v	.032	000	144.8
VOC'S IN SOIL BY GC/MS	IM19	C2AVB	DD570300	DV4S*431 YG	YGVG 1:	13-SRP-95	20-SEP-95	v	7	993	144.8
VOC'S IN SOIL BY GC/MS	LM19	CZAVB	DDZW0100	DV4S*400 YG	YGSG 1:	11-SEP-95	19-SEP-95	v	. 032	ngg	0.0
VOC'S IN SOIL BY GC/MS	LM19	C2AVB	DXZW0100	DV4S*289 YG	•••	11-SRP-95	18-SEP-95	v	.032	99	0.0
VOC'S IN SOIL BY GC/MS	LM19	C2AVB	EX570405	DV4S*104 YG	YGMG 1	19-SRP-95	26-SRP-95	v	.032	990	0.0
VOC'S IN SOIL BY GC/MS	LM19	CZAVB	RD570405	DV4S*436 YG	YGWG 1	19-SBP-95	27-SBP-95	v	.032	990	0.0
VOC'S IN SOIL BY GC/MS	LM19	CZHBCL	BXAX0215	DV4S*217 YGZG	••	27-SRP-95	02-0CT-95	v	.0062	nea	0.0
IN SOIL BY	LM19	C2H3CL	BDAX0215	DV4S*442 YGAH		27-SBP-95	03-0CT-95	v	.0062	990	0.0
Z	1,419	C2H3CL	BXZW0100	DV4S*435 YGYG		19-SEP-95	29-SEP-95	v	.0062	nee	0.0

Chemical Quality Control Report Installation: Fort Devens, MA (DV) Group 2, 7 Sites

Method Description	IRDMIS Method Code	Test	IRDMIS Field Sample Number	Lab Number	lot 1	Sample Date	Analysis Date	v	Value	Unite	. GAN
SOIL BY GC,	LM19	C2H3CL	BXZW0100	DV48*246 Y	YGWG	19-SBP-95	26-SBP-95	v	.0062	DEG.	0.0
IN SOIL BY GC,	LM19	C2H3CL	DX570300	DV4S*187 Y	YGUG	13-SBP-95	19-SEP-95	v	.0062	000	131.5.
IN SOIL BY GC,	LM19	C2H3CL	DD570300	DV4S*431 Y	YGVG 1	13-SBP-95	20-SRP-95	v	.03	trade	131.5
IN SOIL	LM19	CZHGC	DDZW0100	DV45*400 Y	YGSG 1	11-SBP-95	19-SRP-95	v	.0062	nee	0.0
VOC'S IN SOIL BY GC/MS	LM19	CZH3CL	DXZW0100	DV45*289 Y	YGSG 1	11-SBP-95	18-SEP-95	v	.0062	UGG	0.0
IN SOIL	LM19	C2H3CL	RD570405	DV45*436 Y	YGWG 1	19-SBP-95	27-SEP-95	v	.0062	nge	0.0
IN SOIL	LM19	CZH3CL	EX570405	DV4S*104 Y	YGWG	19-SRP-95	26-3BP-95	v	.0062	nee	0.0
IN SOIL BY	LM19	C2H5CL	BXAX0215	DV4S*217 Y	YGZG	27-SBP-95	02-0CT-95	v	.012	990	0.0
SOIL BY GC/	LM19	CZHSCL	BDAX0215	DV4S*442 Y	YGAH .	27-SBP-95	03-0CT-95	v	.012	nag	0.0
IN SOIL BY GC/	LM19	CZHSCL	BXZW0100	DV4S*246 Y	YGWG 1	19-SBP-95	26-SRP-95	v	.012	pen	0.0
IN SOIL BY GC/	LM19	C2H5CL	BXZW0100	DV4S*435 Y	YGYG	19-SRP-95	29-SEP-95	v	.012	uge	0.0
IN SOIL BY GC/	LM19	C2H5CL	DX570300	DV4S*187 Y	YGUG	13-SRP-95	19-SEP-95	v	.012	nee	133.3
IN SOIL BY GC/	LM19	CZHSCL	DD570300	DV4S*431 Y	YGVG	13-SRP-95	20-SBP-95	v	90.	nge nge	133.3
IN SOIL BY GC/	LM19	C2HSCL	DDZW0100	DV4S*400 Y	YGSG 1	11-SBP-95	19-SEP-95	v	.012	ned	0.0
IN SOIL BY GC/	LM19	C2H5CL	DXZW0100		YGSG 1	11-SBP-95	18-SEP-95	v	.012	nee	0.0
IN SOIL BY GC/	LM19	C2HSCL	EX570405	DV4S*104 Y	XGMG 1	19-SBP-95	26-SBP-95	v	.012	nag	0.0
IN SOIL BY	LM19	C2HSCL	RD570405	DV4S*436 Y	YGWG	19-SBP-95	27-SBP-95	v	.012	000	0.0
VOC'S IN SOIL BY GC/MS	LM19	СЕНЕ	BXAX0215	DV4S*217 YGZG		27-SBP-95	02-0CT-95	v	0015	Ded	
SOIL BY GC/	LM19	CEHE	BDAX0215	DV45*442 Y		27-SBP-95	03-0CT-95	v	0015	993	0.0
IN SOIL BY GC/	LM19	Сене	BXZW0100	DV48*435 Y	YGYG. 1	19-SBP-95	29-SBP-95	v	.0015	gg	0.0
IN SOIL BY GC/	LM19	CEHE	BXZW0100	DV43*246 Y	YGMG 1	19-SBP-95	26-SBP-95	v	0015	000	0.0
IN SOIL BY GC/	LM19	CeHe	DX570300	DV4S*187 Y	YGUG	13-SBP-95	19-SEP-95	v	.0015	1000	136.8
IN SOIL BY	LM19	СЕНЕ	DD570300	DV4S*431 Y	YGVG 1	13-SBP-95	20-SBP-95	v	800.	pen	136.8
IN SOIL BY GC/	LM19	CeHe	DDZW0100	DV4S*400 Y	YGSG	11-SRP-95	19-SEP-95	v	.0015	trag	0.0
IN SOIL BY GC/	LM19	сене	DXZW0100	DV45*289 Y	YGSG 1	11-SBP-95	18-SBP-95	v	.0015	000	0.0
IN SOIL BY GC/	L#19	Сене	ED570405	DV43*436 Y(YGMG 1	19-SBP-95	27-SBP-95	v	.0015	nec	0.0
IN SOIL BY	LM19	Сене	EX570405	DV4S*104 Y	YGWG 1	19-SBP-95	26-SEP-95	v	0015	990	0.0
IN SOIL BY GC/	1,419	CCL3P	BDAX0215	DV4S*442 YGAH		27-SRP-95	03-007-95		9200	25.1	c
VOC'S IN SOIL BY GC/MS	LM19	CCLAF	BXAX0215	DV4S*217 YGZG		27-SRP-95	02-0CT-95		0050	1139	
IN SOIL BY GC/	IM19	CCL3P	BXZW0100	DV48*435 V		19-SRP-95	29-SRD-95	,			, ,
/20 12 E-20	i					C 387-C	EC 300-07		5000	3	۲۰۰۷

Chemical Quality Control Report Installation: Fort Devens, MA (DV) Group 2, 7 Sites

Method Description	IRDMIS Method Code	Test	IRDMIS Field Sample Number	Lab Number Lot	Sample Date	Analysis Date	v	Value	Unite	RPD
VOC'S IN SOIL BY GC/MS	IM19	cctar	BXZW0100	DV4S*246 YGMG	19-SBP-95	26-SRP-95		.014	gg	75.9
IN SOIL BY	IM19	CCL3P	DX570300	DV45*187 YGUG	13-SBP-95	19-SRP-95	v	.0059	990	134.3
IN SOIL BY GC	LM19	CCL3P	DD570300	DV48*431 YGVG	13-SBP-95	20-SEP-95	v	.03	99	134.3
SOIL BY GC	LM19	CCLJP	DDZW0100	DV45*400 YGSG	11-SBP-95	19-SBP-95		.011	990	0.0
IN SOIL BY GC	LM19	CCLJP	DXZW0100	DV43*289 YGSG	11-SEP-95	18-SEP-95		.011	990	0.0
IN SOIL BY GO	1M19	CCL3P	RX570405	DV4S*104 YGWG	19-SBP-95	26-SBP-95		:0083	nge	33.8
VOC'S IN SOIL BY GC/MS	1M19	CCL3P	RD570405	DV45*436 XGWG	19-SEP-95	27-SBP-95	v	.0059	DOG	33.8
TOCK IN SOIT, BY GC/MG	1.M19	4100	BXAX0215	DV4S*217 YGZG	27-SBP-95	02-0CT-95	v	.007	000	0.0
TN SOTT, BY GC	[M19	4100	BDAX0215		27-SBP-95	03-0CT-95	v	.007	993	0.0
IN SOIL BY GC	LM19	750	BXZW0100	DV48*435 YGYG	19-SBP-95	29-SBP-95	v	.007	990	0.0
IN SOIL BY GO	LM19	CCLA	BXZW0100	DV4S*246 YGWG	19-SBP-95	26-SBP-95	v	.007	990	0.0
IN SOIL BY GC	LM19	Š	DX570300	DV4S*187 YGUG	13-SBP-95	19-SEP-95	v	.007	990	140.4
IN SOIL BY GC	LM19	CCLA	DD570300	DV4S*431 YGVG	13-SRP-95	20-SRP-95	v	40.	99	140.4
IN SOIL BY GC	IM19	CCLA	DDZW0100	DV4S*400 YGSG	11-SBP-95	19-SEP-95	v	.007	9	0.0
IN SOIL BY GC	LM19	CCLA	DXZW0100	DV4S*289 YGSG	11-SEP-95	18-SBP-95	v	.007	9	0.0
IN SOIL BY GC	LM19	CCLA	EX570405	DV4S*104 YGWG	19-SBP-95	26-SBP-95	v	.007	200	0.0
VOC'S IN SOIL BY GC/MS	LM19	CCL	KD570405	DV4S*436 YGWG	19-SRP-95	27-SRP-95	v	.007	D CC	0.0
TN GOTT. BV	T.M.1 9	CH2CT.2	BXAX0215	DV48*217 YGZG	27-SBP-95	02-0CT-95	v	.012	990	0.0
SOTI. BY GC	IM19	CH2CL2	BDAX0215	DV4S*442 YGAH	27-SBP-95	03-0CI-95	v	.012	000	0.0
IN SOIL BY GC	LM19	CH2CL2	BXZW0100	DV4S*246 YGMG	19-SEP-95	26-SBP-95	v	.012	000	0.0
IN SOIL BY GC	LM19	CH2CL2	BXZW0100	DV4S*435 YGYG	19-SEP-95	29-SRP-95	v	.012	100	0.0
IN SOIL BY GC	LM19	CH2CL2	DX570300	DV4S*187 YGUG	13-SEP-95	19-SEP-95	v	.012	000	133.3
IN SOIL BY GC	LM19	CH2CL2	DD570300	DV4S*431 YGVG	13-SRP-95	20-SBP-95	v	90.	000	133.3
SOIL BY GC	LM19	CH2CL2	DDZW0100	DV4S*400 YGSG	11-SBP-95	19-SEP-95		.014	000	15.4
IN SOIL BY GC	LM19	CH2CL2	DXZW0100	DV4S*289 YGSG	11-SBP-95	18-SEP-95	v	.012	000	15.4
IN SOIL BY GC	LM1.9	CH2CL2	ED570405	DV4S*436 YGMG	19-SEP-95	27-SBP-95	v	.012	990	0.0
VOC'S IN SOIL BY GC/MS	LM19	CH2CL2	EX570405	DV4S*104 YGWG	19-SEP-95	26-SEP-95	v	.012	nge	0.0
Ä	IM19	CH3BR	BXAX0215	DV4S*217 YGZG	27-SBP-95	02-0CT-95	v	.0057	ge	0.0
IN SOIL BY GC	LM19	CHIBER	BDAX0215	DV4S*442 YGAH	27-SBP-95	03-0CT-95	v	.0057	nge	0.0
VOC'S IN SOIL BY GC/MS	LM19	CHIBR	BXZW0100	DV4S*435 YGYG	19-SEP-95	29-SRP-95	v	.0057	nee	0.0

Chemical Quality Control Report Installation: Port Devens, MA (DV) Group 2, 7 Sites

	TRIMIT		IRDMIS								
	Method	Test	Sample	qen		Sample	Analysis				
Method Description	code	Name	Number	Number L	Lot	Date	Date	v	Value	Unite	RPD
VOC'S IN SOIL BY GC/MS	[M19	CH3BR	BXZW0100	9	YGWG	19-SBP-95	26-SBP-95		.0057	1000	0.0
SOIL BY	LM19	CH3BR	DX570300	DV4S*187 Y	YGUG	13-SBP-95	19-SBP-95	v	.0057	990	136.1
IN SOIL BY	LM19	CH3BR	DD570300	DV4S*431 Y	YGVG	13-SBP-95	20-SRP-95	v	.03	000	136.1
IN SOIL BY	LM19	CH3BR	DXZW0100	DV4S*289 Y	YGSG	11-SRP-95	18-SEP-95	v	.0057	nod	0.0
IN SOIL BY	LM19	CH3BR	DDZW0100	DV43*400 Y	YGSG	11-SBP-95	19-SBP-95	v	.0057	ngg	0.0
IN SOIL BY	LM19	CH3BR	RX570405	DV45*104 Y	YGMG	19-SBP-95	26-SBP-95	v	.0057	UGG	0.0
VOC'S IN SOIL BY GC/MS	LM19	CH3BR	RD570405	DV48*436 Y	YGMG	19-SBP-95	27-SRP-95	v	.0057	990	0.0
VOC'S IN SOIL BY GC/MS	LM19	CH3CL	BDAX0215	DV48*442 Y	YGAH	27-SBP-95	03-0CT-95	v	8800.	DCGC	0.0
VOC'S IN SOIL BY GC/MS	LM19	CHBCL	BXAX0215	DV4S*217 Y	YGZG	27-SBP-95	02-OCT-95	v	.0088	900	0.0
VOC'S IN SOIL BY GC/MS	LM19	CHBCL	BXZW0100	DV45*246 Y	YGWG	19-SBP-95	26-SRP-95	v	.0088	993	0.0
IN SOIL BY	LM19	CHOCK	BXZW0100	DV48*435 Y	YGYG	19-SBP-95	29-SBP-95	v	.0088	nga	0.0
IN SOIL BY	IM19	CHOCL	DX570300	DV4S*187 Y	YGUG	13-SBP-95	19-SBP-95	v	.0088	993	127.9
IN SOIL BY	LM19	CHICL	DD570300	DV48*431 Y	YGVG	13-SEP-95	20-SRP-95	v	* 0·	000	127.9
IN SOIL BY	LM19	ofis ct.	DXZW0100	DV4S*289 Y	YGSG	11-SBP-95	18-SEP-95	v	.0088	993	0.0
IN SOIL BY	LM19	GED CL	DDZW0100		YGSG	11-SEP-95	19-SBP-95	v	.0088	000	0.0
IN SOIL BY	LM19	GH3CL	RD570405	DV4S*436 Y	YGWG	19-3BP-95	27-SBP-95	v	.0088	000	0.0
VOC'S IN SOIL BY GC/MS	LM19	CHOCL	EX570405	DV4S*104 Y	YGWG	19-SBP-95	26-SRP-95	v	.0088	993	0.0
VOC'S IN SOIL BY GC/MS	1,419	CHBR3	BXAX0215	DV48*217 YGZG	626	27-SRP-95	02-00T-95	•	9900	2	c
SOIL BY	LM19	CHBR3	BDAX0215	DV48*442 Y	YGAH	27-SEP-95	03-0CT-95	· •	6900.	9	0.0
SOIL BY	LM19	CHBR3	BXZW0100	DV45*435 Y	YGYG	19-SBP-95	29-SBP-95	٧	6900.	993	0.0
SOIL BY	LM19	CABR3	BXZW0100	DV48*246 Y	YGWG	19-SBP-95	26-SBP-95	v	6900.	000	0.0
SOIL BY	LM19	CHBR3	DX570300	DV4S*187 Y	YGOG	13-SBP-95	19-SBP-95	v	6900.	990	125.2
SOIL BY	LM19	CHBR3	DD570300	DV4S*431 Y	YGVG	13-SEP-95	20-SBP-95	v	.03	990	125.2
SOIL BY	LM19	CHBR3	DXZW0100		YGSG	11-SBP-95	18-SEP-95	v	6900.	990	0.0
SOIL BY	LM19	CABR3	DDZW0100	DV4S*400 Y	YGSG	11-SBP-95	19-SBP-95	v	.0069	000	0.0
IN SOIL BY	LM19	CHBR3	EX570405		D C	19-SBP-95	26-SBP-95	v	.0069	990	0.0
VOC'S IN SOIL BY GC/MS	LM19	CHBR3	ED570405	DV4S*436 Y	YGWG	19-SBP-95	27-SBP-95	v	6900.	gg	0.0
VOC'S IN SOIL BY GC/MS	LM19	CHCL3	BDAX0215	DV4S*442 YGAH		27-SBP-95	03-OCT-95	٧	.00087		0.0
IN SOIL BY	LM19	CHCLI	BXAX0215	DV4S*217 YGZG		27-SBP-95	02-OCT-95	v	.00087	200	0.0
SOIL BY	LM19	CHCL3	BXZM0100	DV43*246 YGMG		19-SBP-95	26-SRP-95	v	.00087	neg	0.0

Chemical Quality Control Report Installation: Fort Devens, MA (DV) Group 2, 7 Sites

	IRDMIS	Test	IRDMIS Field Sample		Sample	Analysis				•
Method Description	Code	Name	Number	Number Lot	Date	Date	v :	Value	Unite	RPD
VOC'S IN SOIL BY GC/MS	LM19	CHCL3	BXZW0100	DV48*435 YGYG	19-SEP-95	29-SEP-95	v.	78000	ned	0.0
	LM19	CHCL3	DX570300	DV4S*187 YGUG	13-SRP-95	19-SBP-95	· ·	.00087	DEG:	128.5
VOC'S IN SOIL BY GC/MS	LM19	CHCL3	DD570300	DV48*431 YGVG	13-SBP-95	20-SBP-95	v	.004	990	128.5
	LM19	CHCL3	DXZW0100	DV4S*289 XGSG	11-SEP-95	18-SEP-95	·. v	.00087	990	0.0
	LM19	CHCL3	DDZW0100	DV4S*400 YGSG	11-SEP-95	19-SEP-95	٠. ۷	78000	nge	0.0
	LM19	CHCLL3	KD570405	DV4S*436 YGWG	19-SBP-95	27-SBP-95	٠. ٧	00087	250	0.0
VOC'S IN SOIL BY GC/MS	LM19	CHCL3	EX570405	DV4S*104 YGWG	19-SEP-95	26-SRP-95	٠. ٧	00087	nee	0.0
VOC'S TN SOFT, BY GC/MS	TM19	CT.2B.2	RXAX0215	DV48*217 YGZG	27-SRP-95	02-077-95		•	1133	-
SOTT. BY C	1.81.0	7.082	BDAY0216		27-42D-0E	02-007-05	, ,	: -	1720	
TN SOTI. BY G	1M19	73.0	BX ZW0100	-	19-5RD-95	26-SRD-95	/ \	: -		
TN GOTT. BY CO	TATO	7.00	DY 740100	-	10-900-95	20-670-05	, v	• -	3 2	
IN SOIL BY G	TM19	CLASB &	DD520300		11-9RP-95	20-8ED-95	, ,		3 2	٠. ددر
TN GOTT, BV G	1410	71.282	DYEZOZOO		13-47D-05	10.000-05	′ \	•		
IN BOIL BI GO	1410	CLEBS	DAS/0300		44 600 01	10 000 01	, ,	: -	3 2	133.5
IN SOIL BY GC	LM19	CLZBZ	DDCMCCC		11-582-95	19-SRP-95	v	τ,	2	0.0
IN SOIL BY GC,	LM19	CL2BZ	DXZW0100		11-SRP-95	18-SEP-95	v	ij	gg	0.0
IN SOIL BY GC,	LM19	CL2BZ	ED570405	DV48*436 YGWG	19-SBP-95	27-SBP-95	v	۲.	993	0.0
SOIL BY	LM19	CL2BZ	EX570405	DV4S*104 YGWG	19-SRP-95	26-SRP-95	V	۲.	990	0.0
ON/ JO NO TITO NI DIDAN	0 [7]	A CCUE	BDAY031E	7074C+442 VGBU	37_40D-0E	10.77.00	,	78000	5	c
TN SOTT, RY GC	T.M.19	CLCGHS	RXAX0215	TV45*217 VGZG	27-SRP-95	02-0CT-95	· ·	00086		
IN SOIL BY GC		CLCGHS	BXZW0100		19-SRP-95	26-SRP-95	· v	98000	000	0.0
IN SOIL BY GC	LM19	CLCGHS	BXZW0100		19-SRP-95	29-SBP-95		98000	nge	0.0
IN SOIL BY GC	LM19	CLCGHS	DX570300	DV4S*187 YGUG	13-SBP-95	19-SEP-95	٠. ٧	98000	nag	129.2
IN SOIL BY GC	LM19	CLCGHS	DD570300	DV4S*431 YGVG	13-SBP-95	20~SBP-95	v	.004	993	129.2
VOC'S IN SOIL BY GC/MS	LM19	CLCGHS	DDZW0100	DV4S*400 YGSG	11-SEP-95	19-SRP-95	٠. ٧	98000	Dec	0.0
IN SOIL BY	LM19	CLCGHS	DXZW0100	DV4S*289 YGSG	11-SBP-95	18-SBP-95	у. v	98000	993	0.0
IN SOIL BY	IM19	CLCGHS	ED570405	DV4S*436 YGWG	19-SEP-95	27-SBP-95	٠. ٧	98000	000	0.0
IN SOIL BY	LM19	CLCGHS	EX570405	DV4S*104 YGWG	19-SEP-95	26-SBP-95	٠. ٧	98000	999	0.0
on the state of the state of		ç	1	C407	410	100		,		•
VOC'S IN SUIL BY GC/MS	A FEE	25	BAAA0215	DV45*21/ 1626	2/-38F-75	02-0CI-95	v	**00.	9	0.
VOC'S IN SOIL BY GC/MS	LM19	CS2	BDAX0215	DV4S*442 YGAH	27-SBP-95	03-0CI-95	v	.0044	99	0.0
VOC'S IN SOIL BY GC/MS	LM19	CS2	BXZW0100	DV45*246 YGWG	19-SRP-95	26-SRP-95	v	0044	gg	0.0

Chemical Quality Control Report Installation: Fort Devens, MA (DV) Group 2, 7 Sites

Method Description	IRDMIS Method Code	Test Name	IRDMIS Field Sample Number	Lab Nunber I	Š	Sample Date	Analysis Date	v	Value	Value Unite	RPD	
VOC'S IN SOIL BY GC/MS	LM19	C\$2	BXZW0100	DV48*435 Y	YGYG	19-SRP-95	29-SRP-95		.0044	DOD	0.0	
IN SOIL BY GC/	LM19	CS2	DX570300		YGUG	13-SBP-95	19-SEP-95	v	.0044	960	127.9	
IN SOIL BY GC/	LM19	CS2	DD570300	DV4S*431 Y	YGVG	13-SBP-95	20-SRP-95	•	.02	000	127.9	
IN SOIL BY GC/	LM19	CS2	DDZW0100	DV4S*400 Y	YGSG	11-SBP-95	19-SRP-95	v	.0044	200	0.0	
IN SOIL BY	LM19	CS2	DXZW0100	DV4S+289 Y	YGSG	11-SRP-95	18-SEP-95	پ	.0044	993	0.0	
IN SOIL BY GC/	LM19	CS2	EX570405	DV4S*104 Y	YGWG	19-SBP-95	26-SBP-95	v	.0044	OGG	0.0	
SOIL BY GC/	LM19	Č32	RD570405	DV45*436 Y	YGWG	19-SEP-95	27-SBP-95	v	.0044	020	0.0	
IN SOIL BY	LM19	DBRCIA	BDAX0215	DV48*442 3	YGAH	27-SBP-95	03-0CT-95	v	.0031	000	0.0	
IN SOIL BY GC/	1,419	DBRCLM	BXAX0215		YGZG	27-SBP-95	02-0CT-95	v	.0031	000	0.0	
છે	LM19	DBRCLM	BXZW0100		YGWG	19-SRP-95	26-SEP-95	v	.0031	993	0.0	
IN SOIL BY GC/	EM19	DBRCLM	BXZW0100	DV43*435 Y	YGYG	19-SBP-95	29-SEP-95	v	.0031	990	0.0	
IN SOIL BY GC/	LM19	DBRCLM	DX570300	DV4S*187 Y	YGUG	13-SBP-95	19-SBP-95	v	.0031	ngg	146.3	
IN SOIL BY	LM19	DBRCLM	DD570300	DV45*431 3	YGVG	13-SBP-95	20-SRP-95	v	.02	993	146.3	
IN SOIL BY	LM19	DBRCIM	DDZW0100	DV4S*400 3	YGSG	11-SBP-95	19-SEP-95	v	.0031	993	0.0	
IN SOIL BY	LM19	DBRCLM	DXZW0100	DV43*289 Y	YGSG	11-SBP-95	18-SEP-95	v	.0031	980	0.0	
IN SOIL BY GC/	LM19	DBRCLM	RD570405	DV48*436 Y	YGMG	19-SRP-95	27-SBP-95	v	.0031	ngg	0.0	
IN SOIL BY	L#19	DBRCLM	EX570405	DV4S*104 Y	YGWG	19-SRP-95	26-SRP-95	v	.0031	900	0.0	
COC'R IN SOIL BY CC/MS	T.M.1 9	RTCKHS	BYAX0215	DV48*217 3	YG2G	27-SRP-95	02-0CT-95	v	.0017	nee	0.0	
IN SOIL BY GC/	LM19	BTC6H5	BDAX0215		YGAH	27-SBP-95	03-0CT-95		.0017	200	0.0	
BY GC/	LW19	BTC6H5	BXZW0100		YGWG	19-SBP-95	26-SBP-95	v	.0017	990	0.0	
IN SOIL BY GC/	LM19	BTC6H5	BXZW0100	DV4S*435 1	YGYG	19-SBP-95	29-SBP-95	v	.0017	990	0.0	
IN SOIL BY GC/	LM19	BTC6H5	DX570300	DV45*187 3	YGUG	13-SRP-95	19-SRP-95	v	.0017	999	121.8	
IN SOIL BY GC/	LM19	ETC6HS	DD570300	DV45*431 3	YGVG	13-SBP-95	20-SBP-95	v	.007	993	121.8	
IN SOIL BY GC/	LM19	ETC6H5	DDZW0100	DV4S*400 1	YGSG	11-SRP-95	19-SEP-95	v	.0017	2000	0.0	
IN SOIL BY GC/	LM19	ETC6HS	DX ZW0100	DV4S*289 3	YGSG	11-SBP-95	18-SRP-95	v	.0017	993	0.0	
IN SOIL BY GC/	LM19	BTC6H5	ED570405	DV4S*436 3	YGMG	19-SBP-95	27-SBP-95	v	.0017	100	0.0	
IN SOIL BY GC/	LM19	BTC6H5	EX570405	DV4S*104 1	YGWG	19-SBP-95	26-SBP-95	v	.0017	993	0.0	
2	12419	RRCARE	RDAX0215	TIVAS#442 VGBH	HE2/	27-SRP-95	03-007-95		87000	irac	o o	
TN SOIL BY GC/	1.819	MACCHE	BYAYO215	TW48#217 VGZG	2227	27-SED-95	02-07T-95		00070	2021		
VOC'S IN SOIL BY GC/MS	1.819	MRC6H5	BXZW0100	DV48*435 3	YGYG	19-SEP-95	29-SRP-95	, v	.00078	3 23	127.1	
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Chemical Quality Control Report Installation: Port Devens, MA (DV) Group 2, 7 Sites

Method Description	IRDMIS Method Code	Test Name	IRDMIS Field Sample Number	Lab Number Lot	Sample Date	Analysis Date	v	Value	Unite	RPD
VOC'S IN SOIL BY GC/MS	LM19	MBC6H5	BXZW0100	DV45*246 YGMG	19-SEP-95	26-SBP-95		.0035	nee	127.1
VOC'S IN SOIL BY GC/MS	LM19	MBC6H5	DX570300	DV45*187 YGUG	13-SRP-95	19-SEP-95	v	.00078	nee	134.7
Ω	LM19	MBC6H5	DD570300	DV45*431 YGVG	13-SEP-95	20-SBP-95	v	.004	nee	134.7
Q	IM19	MBC6HS	DDZW0100	DV4S*400 YGSG	11-SEP-95	19-SBP-95	v	.00078	ngg	0.0
IN SOIL BY GC	LM19	MBC6H5	DXZW0100	DV4S*289 YGSG	11-SEP-95	18-SEP-95	v	82000	nge	0.0
Q	LM19	MECHS	RD570405	DV4S*436 YGWG	19-SEP-95	27-SBP-95	v	.00078	nge	0.0
Ö	1M19	MBC6H5	EXS70405	DV4S*104 YGWG	19-SRP-95	26-SBP-95	v	.00078	nge	0.0
VOC'S IN SOIL BY GC/MS	1,M19	MEK	BXAX0215	DV48*217 YGZG	27-SBP-95	02-0CT-95	v	.07	990	0.0
IN SOIL BY GC	LM19	MEK	BDAX0215	DV48*442 YGAH	27-SBP-95	03-0CT-95	•	.07	nge	0.0
SOIL BY GC	LM19	MEK	BXZW0100		19-SEP-95	29-SBP-95	v	.07	nag	0.0
N SOIL BY GC	LM19	MEK	BXZW0100	DV43*246 YGWG	19-SEP-95	26-SBP-95	v	.07	nac	0.0
IN SOIL BY GC	LM19	MBK	DX570300	DV4S*187 YGUG	13-SEP-95	19-SBP-95	v	.07	DGG	140.4
IN SOIL BY	LM19	MEK	DD570300	DV4S*431 YGVG	13-SEP-95	20-SBP-95	v	₹.	990	140.4
IN SOIL BY GC	LM19	MEK	DDZW0100	DV4S*400 YGSG	11-SEP-95	19-SBP-95	v	.07	nge	0.0
IN SOIL BY GC	LM19	MEK	DXZW0100	DV45*289 YGSG	11-SEP-95	18-SEP-95	v	.07	ngd n	0.0
IN SOIL BY	LM19	MEK	EX570405	DV4S*104 YGWG	19-SRP-95	26-SBP-95	v	.07	nge	0.0
BY	LM19	MEK	KD570405	DV4S*436 YGWG	19-SEP-95	27-SBP-95	v	.07	960	0.0
TN SOTT. RV	1.W.1.9	MTBK	BDAX0215	DV45*442 YGAH	27-SEP-95	03-0CT-95	٧	.027	000	0.0
SOIL BY GC	LM19	MIBK	BXAX0215		27-SEP-95	02-0CT-95	v	.027	DEN	0.0
IN SOIL BY GC	LM19	MIBK	BXZW0100	DV4S*246 YGMG	19-SRP-95	26-SBP-95	v	.027	000	0.0
IN SOIL BY GC	LM19	MIBK	BXZW0100	DV4S*435 YGYG	19-SBP-95	29-SBP-95	v	.027	990	0.0
IN SOIL BY GC	LM19	MIBK	DX570300	DV4S*187 YGUG	13-SRP-95	19-SBP-95	v	.027	DGC	115.0
IN SOIL BY GC	LM19	MIBK	DD570300	DV4S*431 YGVG	13-SRP-95	20-SBP-95	v	۲.	ned	115.0
IN SOIL BY GC	LM19	MIBK	DDZW0100	DV4S*400 YGSG	11-SRP-95	19-SBP-95	v	.027	ned	0.0
IN SOIL BY	LM19	MIBK	DXZW0100	DV4S*289 YGSG	11-SEP-95	18-SBP-95	v	.027	000	0.0
IN SOIL	LM19	MIBK	RD570405	DV4S*436 YGMG	19-SEP-95	27-SBP-95	v	.027	nge	0.0
SOIL BY GC	LM19	MIBK	EX570405	DV4S*104 YGWG	19-SEP-95	26-SBP-95	v	.027	000	0.0
700	2	ACMAN,	BYBYO316	Dana - 1-1-4-12-12-12-12-12-12-12-12-12-12-12-12-12-	27_GDD_0E	30-20-60	,	033	5	•
out by or	141		DONACO		20 000 10	10 100 00	, ,		}	; ;
VOC'S IN SOIL BY GC/MS	STEET S	MNBK	BUANUZIS	DV45*442 IGAN	27-38F-12	03-0CI-95	v	750.	3	9 6
SOIL BY	E419	MNBK	BXZW0100	DV4S*246 YGMG	19-SEP-95	26-SRP-95	v	.032	nge	0.0

Chemical Quality Control Report Installation: Fort Devens, MA (DV) Group 2, 7 Sites

			IRDMIS								
	Method	Teet	Samole	ded		Sample	Analysis				
Method Description	Code	Name	Number	ř.	Ę	Date	Date	v :	Value	Value Unite	RPD
VOC'S IN SOIL BY GC/MS	IM19	MNBK	BX 2W0100	DV48*435)	YGYG	19-SBP-95	29-SBP-95	· •	.032	Den	0.0
IN SOIL BY	LM19	MNBK	DX570300	DV43*187 3	YGUG	13-SEP-95	19-SBP-95	v	.032	900	144.8
SOIL BY	LM19	MNBK	DD570300	DV48*431)	YGVG	13-SRP-95	20-SEP-95	v	4	pen	144.8
VOC'S IN SOIL BY GC/MS	LM19	MNBK	DDZW0100	DV4S*400)	YGSG	11-SEP-95	19-SBP-95	v	.032	nod	0.0
IN SOIL BY	LM19	MNBK	DXZW0100	DV4S*289)	YGSG	11-8RP-95	18-SBP-95	v	.032	DEO	0.0
IN SOIL BY	LM19	MNBK	EX570405	DV48*104)	YGMG	19-SBP-95	26-SRP-95	v	.032	pon	0.0
IN SOIL	LM19	MNBK	RD570405	DV48*436)	YGWG	19-SBP-95	27-88P-95	v	.032	pen	0.0
WC'S IN SOIL BY GC/MS	LM19	STYR	BDAX0215	DV48*442	YGAH	27-SBP-95	03-0CT-95	v	.0026	nad	0.0
IN SOIL BY	LM19	STYR	BXAX0215		YGZG	27-SBP-95	02-0CT-95	v	.0026	oon	0.0
IN SOIL BY	LM19	STYR	BXZW0100		YGMG	19-SEP-95	26-SBP-95	v	.0026	999	0.0
IN SOIL BY	LM19	STYR	BXZW0100	DV48*435	YGYG	19-SEP-95	29-88P-95	v	.0026	999	0.0
IN SOIL BY	LM19	STYR	DX570300	DV43*187 1	YGUG	13-SBP-95	19-8RP-95	v	.0026	999	117.5
IN SOIL BY	LM19	STYR	DD570300	DV48*431	YGVG	13-SEP-95	20-SRP-95	v	.01	nag	117.5
IN SOIL BY	LM19	STYR	DDZW0100	DV4S*400)	YGSG	11-SEP-95	19-SBP-95	v	.0026	nad	0.0
IN SOIL BY	LM19	STYR	DXZW0100	DV4S*289	YGSG	11-SEP-95	18-8BP-95	v	.0026	D D	0.0
VOC'S IN SOIL BY GC/MS	LM19	STYR	ED570405	DV48*436 YGMG	COME	19-SEP-95	27-8BP-95	v	.0026	000	0.0
IN SOIL BY	LM19	STYR	EX570405	DV48*104)	YGMG	19-3RP-95	26-SEP-95	v	.0026	000	0.0
WC'S IN SOIL BY GC/MS	1M19	TIBDCP	BXAX0215	DV48*217	YGZG	27-SBP-95	02-0CT-95	٧	.0028	nad	0.0
IN SOIL BY	LM19	T13DCP	BDAX0215	DV45*442	YGAH	27-SBP-95	03-0CT-95	•	.0028	000	0.0
IN SOIL BY	LM19	T13DCP	BXZW0100	DV4S*435	YGYG.	19-SEP-95	29-8BP-95	v	.0028	ned	0.0
IN SOIL	IM19	T13DCP	BXZW0100	DV4S*246	YGMG	19-SBP-95	26-SBP-95	v	.0028	990	0.0
IN SOIL BY	LM19	T13DCP	DX570300	DV4S*187	YGUG	13-SBP-95	19-SEP-95	v	.0028	993	112.5
IN SOIL BY	LM19	TI3DCP	DD570300	DV48*431	XGVG	13-SRP-95	20-SEP-95	٠	.01	000	112.5
VOC'S IN SOIL BY GC/MS	LM19	T13DCP	DDZW0100		YGSG	11-SBP-95	19-SEP-95	v	.0028	8	0.0
VOC'S IN SOIL BY GC/MS	LM19	T13DCP	DXZM0100	DV4S*289	YGSG	11-SBP-95	18-SBP-95	v	.0028	000	0.0
VOC'S IN SOIL BY GC/MS	LM19	T13DCP	EXS70405	DV49*104	YGMG	19-3RP-95	26-8BP-95	v	.0028	nad	0.0
IN SOIL BY	LM19	T13DCP	RD570405	DV45*436	X CHAC	19-SRP-95	27-88P-95	v	.0028	990	0.0
VOC'S IN SOIL BY GC/MS	1M19	TCLEA	BDAX0215	DV48*442 YGAH	YGAH	27-SBP-95	03-0CT-95	v	.0024	oon	0.0
IN SOIL BY	LM19	TCLEA	BXAX0215	DV4S*217 YGZG	NGZ6	27-SBP-95	02-0CT-95	v	.0024	ned	0.0
SOIL BY	1M19	TCLEA	BXZW0100	DV45*246 YGWG	YGMG	19-SRP-95	26-SBP-95	v	.0024	900	0.0

Chemical Quality Control Report Installation: Fort Devens, MA (DV) Group 2, 7 Sites

Method Description	IRDMIS Method Code	Test Name	IRDMIS Field Sample Number	Lab Number	Ş	Sample Date	Analysie Date	v ·	Value	Unite	RPD
IN SOIL BY	LM19	TCLEA	BXZW0100	DV48*435	YGYG	19-SRP-95	29-SRP-95		.0024	000	0.0
IN SOIL BY	LM19	TCLEA	DX570300	DV45*187	YGUG	13-SBP-95	19-SEP-95	v	.0024	000	122.6
IN SOIL BY	LM19	TCLEA	DD570300	DV45*431	YGVG	13-SEP-95	20-SBP-95	v	.01	nag	122.6
IN SOIL BY	LM19	TCLEA	DDZW0100	DV48*400	YGSG	11-SBP-95	19-SBP-95	v	.0024	993	0.0
IN BOIL BY	£#19	TCLBA	DXZW0100		YGSG	11-SBP-95	18-SBP-95	v	.0024	000	0.0
IN SOIL	LM19	TCLEA	ED570405	DV48*436]	YGWG	19-SBP-95	27-SBP-95	v	.0024	000	0.0
VOC'S IN SOIL BY GC/MS	LM19	TCLEA	EXS70405	DV45*104 YGWG	CGMC	19-SBP-95	26-SBP-95		.0024	920	0.0
VOC'S IN SOIL BY GC/MS	EM19	TCLRB	BXAX0215	DV4S*217	AGZG	27-SBP-95	02-0CT-95	•	.00081	200	0.0
SOIL BY	LM19	TCLEB	BDAX0215	DV4S*442)	YGAH	27-SBP-95	03-OCT-95	v	.00081	000	0.0
IN SOIL BY G	1419	TCLBB	BXZW0100	DV4S*435 1	YGYG	19-SBP-95	29-SEP-95		.00081	DEC	0.0
IN SOIL BY	LM19	TCLRB	BXZW0100	DV4S+246	YGWG	19-SRP-95	26-SEP-95	v	.00081	993	0.0
VOC'S IN SOIL BY GC/MS	LM19	TCLEB	DX570300	DV48*187)	YGUG	13-SEP-95	19-SEP-95	v	.00081	000	132.6
IN SOIL BY	LM19	TCLBB	DD570300	DV4S*431)	YGVG	13-SEP-95	20-SBP-95	v	\$00.	000	132.6
IN SOIL BY	LM19	TCLBB	DDZW0100	DV4S*400)	YGSG	11-SEP-95	19-SEP-95	v	.00081	000	0.0
IN SOIL BY	LM19	TCLBB	DXZW0100	DV45*289 1	YGSG	11-SEP-95	18-SEP-95	v	.00081	993	0.0
IN SOIL BY	LM19	TCLBB	EX570405	DV4S*104 1	YGWG	19-SEP-95	26-88P-95	v	.00081	990	0.0
VOC'S IN SOIL BY GC/MS	LM19	TCLBB	ED570405	DV4S*436 1	YGMG	19-SBP-95	27-SBP-95	v	.00081	990	0.0
VOC'S IN SOIL BY GC/MS	Z.M19	TRCLE	BDAX0215	DV4S*442 3	YGAH	27-SRP-95	03-0CT-95	٧	.0028	pen	0.0
IN SOIL BY	IM19	TRCLE	BXAX0215		YGZG	27-SBP-95	02-OCT-95	v	.0028	pen	0.0
SOIL BY	LM19	TRCLE	BXZW0100	DV4S*246)	YGWG	19-SRP-95	26-SBP-95	v	.0028	000	0.0
IN SOIL BY	IM19	TRCLE	BXZW0100	DV48*435 }	XGXG	19-SRP-95	29-SRP-95	v	.0028	990	0.0
SOIL BY	IM19	TRCLE	DX570300		YGUG	13-SEP-95	19-8EP-95	v	.0028	000	112.5
SOIL BY	IM19	TRCLE	DD570300	DV48*431 3	YGVG	13-SEP-95	20-SBP-95	v	.01	1000	112.5
IN SOIL BY	LM19	TRCLE	DDZW0100		YGSG	11-SEP-95	19-SEP-95	v	.0028	993	0.0
SOIL BY	LM19	TRCLE	DXZW0100		YGSG	11-SEP-95	18-SEP-95	v	.0028	990	0.0
S IN SOIL BY	LM19	TRCLE	RD570405		YGWG	19-SEP-95	27-SBP-95	v	.0028	DED.	0.0
VOC'S IN SOIL BY GC/MS	LM19	TRCLE	EXS70405	DV48*104)	XGMG	19-SEP-95	26-SEP-95	٧	.0028	000	0.0
VOC'S IN SOIL BY GC/MS	LM19	XYLEN	BXAX0215	DV48*217 YGZG	9292	27-SBP-95	02-OCT-95	v	.0015	nge	0.0
SOIL BY	LM19	XYLEN	BDAX0215	DV48*442 1	YGAH	27-SBP-95	03-0CT-95	v	.0015	199	0.0
VOC'S IN SOIL BY GC/MS	LM19	XXITEN	BXZN0100	DV48*246 3	YGWG	19-SEP-95	26-SBP-95	v	. 0015	000	0.0

Chemical Quality Control Report Installation: Fort Devens, MA (DV) Group 2, 7 Sites

Method Description	IRDMIS Method Code	Test Name	IRDMIS Field Sample Number	Lab	Is	Sample Date	Analysis Date	V :	Value	Units	RPD
	LM19	XXI'EN	BXZW0100		YGYG	19-SBP-95	29-SBP-95	v	.0015	nge	0.0
IN SOIL BY	LM19	XXLEN	DX570300		YGUG	13-SEP-95	19-SEP-95	v	.0015	ğ	136.8
IN SOIL BY	LM19	XXLEN	DD570300		XGVG	13-SRP-95	20-SBP-95	v	800.	200	136.8
IN SOIL BY	IM19	XYLEN	DDZW0100	DV4S*400 3	YGSG	11-SEP-95	19-SRP-95	v	.0015	8	0.0
IN SOIL BY	LM19	XXLEN	DXZW0100	DV4S*289]	YGSG	11-SBP-95	18-SBP-95	v	.0015	9	0.0
SOIL BY	LM19	XXLEN	EX570405	DV4S*104	YGMG	19-SRP-95	26-SBP-95	v	.0015	93	0.0
IN SOIL	LM19	XYLEN	RD570405	DV4S*436 1	YGWG	19-SBP-95	27-SBP-95	v	.0015	99	0.0
HG IN WAITER BY CVAA	SB01	HG	MXAX03X1	DV4W*235 (OZZC	31-0CT-95	24-NOV-95	v	.243	ner	0.0
H	SB01	HG	MDAX03X1	DV4W*447 (OZC	31-0CT-95	24-NOV-95	v	.243	nar	0.0
IN WATER BY	SB01	HG	MXG307X1	DV4W*165 (OZCO	31-0CT-95	24-NOV-95	v	.243	g	0.0
WATER BY	SB01	HG	MDG307X1	DV4W*448	OZC	31-0CT-95	24-NOV-95	٧	.243	ner	0.0
	SB01	HG	MDZW12X3	DV4W*450	S. S.	02-NOV-95	29-NOV-95	v	. 243	ner ner	0.0
	SB01	HG	MXZW12X3	DV4W*275	S. S.	02-NOV-95	29-NOV-95	v	. 243	ngr Ogr	0.0
HG IN WATER BY CVAA	SB01	HG	WX5703XX	DV4W*202	QRC	13-SBP-95	06-0CI-95	v	. 243	J.	0.0
	SB01	HG	WD5703XX	DV4W*432	QURC	13-SBP-95	06-0CT-95	v	. 243	Ten	0.0
IL IN WAITER BY GRAA	SD09	1	MXAX03X1	DV4W*235 UCME	COME	31-0CT-95	27-NOV-95	٧	6.99	ner	0.0
WATER	8008	#	MDAX03X1	DV4W*447	UCMB	31-0CT-95	27-NOV-95	v	6.99	ngr	0.0
Z	SD09	F	MDG307X1	DV4W*448	UCMB	31-0CT-95	27-NOV-95	v	6.99	ngr n	0.0
IN NATER BY	SD09	F	MXG307X1	DV4W*165	UCMB	31-0CT-95	27-NOV-95	v	6.99	ngr	0.0
IN WATER BY	SD09	Ę	MDZW12X3		COM	02-NOV-95	01-DBC-95	v	6.99	Ten	0.0
	SD09	ı	MXZW12X3	DV4W*275	UCINE	02-NOV-95	01-DEC-95	٧	6.99	ğ	0.0
IN WATER BY	SD09	Ħ	WX5703XX	DV4W*202		13-SBP-95	09-0CI-95	v	6.99	UGI	0.0
	SD09	#	WD5703XX	DV4W*432	UCHE	13-SEP-95	09-0CT-95	v	6.99	ngr	0.0
IN WATER BY	SD20	88	MXAX03X1	DV4W*235	WCVP	31-0CT-95	28-NOV-95	v	1.26	ner	0.0
WATER BY	SD20	PB	MDAX03X1	DV4W*447	WCVP	31-0CT-95	28-NOV-95	٧	1.26	UGE	0.0
IN WATER BY	SD20	PB	MDG307X1		WCVP	31-0CT-95	28-NOV-95	v	1.26	TO:	0.0
IN WATER BY	SD20	83	MXG307X1	DV4W*165	MCVP	31-0CT-95	28-NOV-95	v	1.26	Ten	0.0

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## 13-SRP-95 01-DBC-95 01-126 ## 13-SRP-95 09-OCT-95 01-126 ## 13-OCT-95 27-NVV-95 01-126 ## 13-OCT-95 27-NVV-95 01-126 ## 13-SRP-95 09-OCT-95 01-126 ## 13-SRP-95 01-1	Method Description	IRDMIS Method Code	Test Name	IRDMIS Field Sample Number	Lab Number	Lot	Sample Date	Analysis Date	v	Value	Value Units	RPD
IN WATER BY GRAA SD20 PB WG5/033X DV44*450 WCPF 13-68P-95 03-02F-95 1.26	IN WATER BY	SD20	. BB	MXZW12X3	DV4W*275	WCWP	02-NOV-95	01-DBC-95	v	1.26	UGI	102.3
IN WATER BY GRAA S122 PB WG5703XX DV44*235 KCPF 13-SRP-95 09-CGT-95 C 1.26	IN WATER BY	SD20	84	MDZW12X3	DV4W*450	WCWP	02-NOV-95	01-DBC-95		3.9	ner	102.3
IN WATER BY GRAA SD21 SB WD5703X1 DV48*235 XCNF 31-CGT-95 27-NOV-95 4 30 20 20 20 20 20 20 20	IN WATER BY	SD20	PB	WX5703XX	DV4W*202	WCPP	13-SRP-95	09-0CI-95	v	1.26	UGE	0.0
IN WATER BY GRAA SD21 SB MKAXO3X1 DV4W*235 XCRP 31-OCT-95 27-KNV-95 3.02 IN WATER BY GRAA SD21 SB HDAXO3X1 DV4W*444 XCRP 31-OCT-95 27-KNV-95 < 3.02	IN WATER BY	SD20	88	WD5703XX	DV4W*432	WCPP	13-SEP-95	09-0CT-95	v	1.26	UGL	0.0
IN WATER BY GRAA SD21 SB MKXX03X1 DV4W*235 KGNF 31-OCT-95 27-NOV-95 31-02 IN WATER BY GRAA SD21 SB MDAG07X1 DV4W*245 KCNF 31-OCT-95 27-NOV-95 < 31-02												
IN WATER BY GRAA SD21 SB HD3703X1 DV4W*447 XCAP 31-OCT-95 27-NOV-95 < 3.02 IN WATER BY GRAA SD21 SB HC3307X1 DV4W*445 XCAP 31-OCT-95 27-NOV-95 < 3.02 IN WATER BY GRAA SD21 SB HC3307X1 DV4W*45 XCAP 31-OCT-95 27-NOV-95 < 3.02 IN WATER BY GRAA SD21 SB HC3701X1 DV4W*202 XCAP 31-OCT-95 37-NOV-95 < 3.02 IN WATER BY GRAA SD21 SB HC3701XX DV4W*202 XCAP 11-SBP-95 30-NOV-95 < 3.02 IN WATER BY GRAA SD22 AS HC3703XX DV4W*412 XCAP 11-SBP-95 09-OCT-95 < 3.02 IN WATER BY GRAA SD22 AS HC3703XX DV4W*423 XCAP 31-OCT-95 30-NOV-95 < 3.02 IN WATER BY GRAA SD22 AS HC3703XX DV4W*448 YCAP 31-OCT-95 29-NOV-95 < 3.02 IN WATER BY GRAA SD22 AS HC3703XX DV4W*448 YCAP 31-OCT-95 29-NOV-95 < 2.54 IN WATER BY GRAA SD22 AS HC3703XX DV4W*216 YCAP 31-OCT-95 29-NOV-95 IN WATER BY GRAA SD22 AS HC3703XX DV4W*216 YCAP 31-OCT-95 30-NOV-95 < 2.54 IN WATER BY GRAA SD22 AS HC3703XX DV4W*216 YCAP 31-OCT-95 30-NOV-95 S - 2.54 IN WATER BY GRAA SD22 AS HC3703XX DV4W*216 YCAP 31-OCT-95 30-NOV-95 S - 2.54 IN WATER BY GRAA SD22 AS HC3703XX DV4W*216 YCAP 31-OCT-95 30-NOV-95 S - 2.54 IN WATER BY GRAA SD22 AS HC3703XX DV4W*216 YCAP 31-OCT-95 30-NOV-95 S - 2.54 IN WATER BY GRAA SD28 SB HC3703XX DV4W*216 YCAP 31-OCT-95 30-NOV-95 S - 3.03 IN WATER BY GRAA SD28 SB HC3703XX DV4W*216 YCAP 31-OCT-95 30-NOV-95 S - 3.03 IN WATER BY GRAA SD28 SB HC3703XX DV4W*216 NFWD 31-OCT-95 30-NOV-95 S - 3.03 IN WATER BY GRAA SD28 SB HC3703XX DV4W*216 NFWD 31-OCT-95 30-NOV-95 S - 3.03 IN WATER BY GRAA SD28 SB HC3703XX DV4W*216 NFWD 31-OCT-95 30-NOV-95 S - 3.03 IN WATER BY GRAA SD28 SB HC3703XX DV4W*216 NFWD 31-OCT-95 30-NOV-95 S - 3.03 IN WATER BY GRAA SD28 SB HC3703XX DV4W*216 NFWD 31-OCT-95 30-NOV-95 S - 3.03 IN WATER BY GRAA SD28 SB HC3703XX DV4W*210 NFWD 31-OCT-95 30-NOV-95 S - 3.03 IN WATER BY GRAA SD28 SB HC3703XX DV4W*216 NFWD 31-OCT-95 30-NOV-95 S - 3.03 IN WATER BY GRAA SD28 SB HC3703XX DV4W*210 NFWD 31-OCT-95 30-NOV-95 S - 3.03 IN WATER BY GRAA SD28 SB HC3703XX DV4W*210 NFWD 31-OCT-95 30-NOV-95 30-NOV-95 S - 3.03 IN WATER BY GRAA SD28 SB HC3703XX DV4W	IN WATER BY	SD21	SR	MXAX03X1	DV4W*235	XCNF	31-0CT-95	27-NOV-95	v	3.05	ner	0.0
IN WATER BY GPAA SD21 SB HYGGOTX1 DY4W*468 XCAP 31-CCT-95 27-NOV-95 < 3.02 IN WATER BY GPAA SD21 SB HYGGOTX1 DY4W*450 XCAP 31-CCT-95 37-NOV-95 < 3.02 IN WATER BY GPAA SD21 SB HXGGOTX1 DY4W*450 XCAP 31-CCT-95 37-NOV-95 < 3.02 IN WATER BY GPAA SD21 SB HXGGOTX1 DY4W*450 XCAP 31-CCT-95 37-NOV-95 < 3.02 IN WATER BY GPAA SD21 SB HXGGOTX1 DY4W*4275 XCAP 31-CCT-95 37-NOV-95 < 3.02 IN WATER BY GPAA SD22 AS HXXX03X1 DY4W*432 XCTF 13-SBP-95 09-CCT-95 < 3.02 IN WATER BY GPAA SD22 AS HXXX03X1 DY4W*432 XCTF 31-CCT-95 29-NOV-95 < 3.02 IN WATER BY GPAA SD22 AS HXXX03X1 DY4W*447 XCRF 31-CCT-95 29-NOV-95 < 2.54 IN WATER BY GPAA SD22 AS HXXX03X1 DY4W*450 XCRF 31-CCT-95 39-NOV-95 < 2.54 IN WATER BY GPAA SD22 AS HXXX03X1 DY4W*450 XCRF 31-CCT-95 39-NOV-95 < 2.54 IN WATER BY GPAA SD22 AS HXXX03X1 DY4W*450 XCRF 31-CCT-95 39-NOV-95 < 2.54 IN WATER BY GPAA SD22 AS HXXX03X1 DY4W*450 XCRF 31-CCT-95 39-NOV-95 < 2.54 IN WATER BY GPAA SD22 AS HXXX03X1 DY4W*450 XCRF 31-CCT-95 39-NOV-95 < 2.54 IN WATER BY GPAA SD22 AS HXXX03X1 DY4W*450 XCRF 31-CCT-95 39-NOV-95 < 2.54 IN WATER BY GPAA SD22 AS HXXX03X1 DY4W*450 XCRF 31-CCT-95 39-NOV-95 < 2.54 IN WATER BY GPAA SD22 AS HXXX03X1 DY4W*450 XCRF 31-CCT-95 39-NOV-95 < 2.54 IN WATER BY GPAA SD28 SB HXXX03X1 DY4W*450 XCRF 31-CCT-95 39-NOV-95 < 3.03 IN WATER BY GPAA SD28 SB HXXX03X1 DY4W*450 NFWD 31-CCT-95 39-NOV-95 < 3.03 IN WATER BY GPAA SD28 SB HXXX03X1 DY4W*450 NFWD 31-CCT-95 39-NOV-95 < 3.03 IN WATER BY GPAA SD28 SB HXXX03X1 DY4W*450 NFWD 31-CCT-95 39-NOV-95 < 3.03 IN WATER BY GPAA SD28 SB HXXX03X1 DY4W*450 NFWD 31-CCT-95 39-NOV-95 < 3.03 IN WATER BY GPAA SD28 SB HXXX03X1 DY4W*450 NFWD 31-CCT-95 39-NOV-95 < 3.03 IN WATER BY GPAA SD28 SB HXXX03X1 DY4W*450 NFWD 31-CCT-95 39-NOV-95 S 3.03 IN WATER BY GPAA SD28 SB HXXX03X1 DY4W*450 NFWD 31-CCT-95 39-NOV-95 S 3.03 IN WATER BY GPAA SD28 SB HXX03X1 DY4W*450 NFWD 31-CCT-95 39-NOV-95 S 3.03 IN WATER BY GPAA SD28 SB HXX03X1 DY4W*450 NFWD 31-CCT-95 39-NOV-95 S 3.03 IN WATER BY GPAA SD28 SB HXX03X1 DY4W*450 NFWD 31-CCT-95 39-NOV-95 S 3.	IN WATER BY	SD21	38	MDAX03X1		XCNF	31-0CT-95	27-NOV-95	v	3.02	Œľ	0.0
IN WATER BY GRAA SD21 SB MXG307X1 DY4W+165 XCNF 21-0CT-95 C7-NNV-95 C 3.02 IN WATER BY GRAA SD21 SB MXZW12X3 DY4W+202 XCJF 13-SBP-95 O9-OCT-95 C 3.02 IN WATER BY GRAA SD21 SB MXZW12X3 DY4W+202 XCJF 13-SBP-95 O9-OCT-95 C 3.02 IN WATER BY GRAA SD21 SB MXZW12X3 DY4W+202 XCJF 13-SBP-95 O9-OCT-95 C 3.02 IN WATER BY GRAA SD22 AS MXXW3X1 DY4W+202 XCJF 13-SBP-95 O9-OCT-95 C 3.02 IN WATER BY GRAA SD22 AS MXXW3X1 DY4W+202 XCJF 31-OCT-95 C 3-CVF-95 IN WATER BY GRAA SD22 AS MXZW12X3 DY4W+46 YCZF 31-OCT-95 C 3-NNV-95 IN WATER BY GRAA SD22 AS MXZW12X3 DY4W+46 YCZF 31-OCT-95 C 3-NNV-95 IN WATER BY GRAA SD22 AS MXZW12X3 DY4W+20 YCZF 31-OCT-95 C 3-NNV-95 IN WATER BY GRAA SD22 AS MXZW12X3 DY4W+20 YCZF 31-OCT-95 C 3-NNV-95 IN WATER BY GRAA SD22 AS MXZW12X3 DY4W+20 YCZF 31-OCT-95 C 3-NNV-95 IN WATER BY GRAA SD22 AS MXZW12X3 DY4W+20 YCZF 31-OCT-95 C 3-NNV-95 IN WATER BY GRAA SD28 SB MXZW3X1 DY4W+20 YCZF 31-OCT-95 C 3-NNV-95 IN WATER BY GRAA SD28 SB MXXXX DY4W+46 YCZF 31-OCT-95 C 3-NNV-95 IN WATER BY GRAA SD28 SB MXXXX DY4W+46 YCZF 31-OCT-95 C 3-NNV-95 IN WATER BY GRAA SD28 SB MXXXX DY4W+46 YCZF 31-OCT-95 C 3-NNV-95 IN WATER BY GRAA SD28 SB MXXXX DY4W+46 YCZF 31-OCT-95 C 3-NNV-95 IN WATER BY GRAA SD28 SB MXXXX DY4W+46 YCZF 31-OCT-95 C 3-NNV-95 IN WATER BY GRAA SD28 SB MXXXX DY4W+46 YCZF 31-OCT-95 C 3-NNV-95 IN WATER BY GRAA SD28 SB MXXXX DY4W+46 YCZF 31-OCT-95 C 3-NNV-95 IN WATER BY GRAA SD28 SB MXXXX DY4W+46 YCZF 31-OCT-95 C 3-NNV-95 IN WATER BY GRAA SD28 SB MXXXX DY4W+46 YCZF 31-OCT-95 C 3-NNV-95 IN WATER BY GRAA SD28 SB MXXXX DY4W+46 YCZF 31-OCT-95 C 3-NNV-95 IN WATER BY GRAA SD28 SB WXXXX DY4W+46 YCZF 31-OCT-95 C 3-NNV-95 IN WATER BY GRAA SD28 SB WXXXX DY4W+46 YCZF 31-OCT-95 C 3-NNV-95 IN WATER BY GRAA SD28 SB WXXXX DY4W+46 YCZF 31-OCT-95 C 3-NNV-95 IN WATER BY GRAA SD28 SB WXXXX DY4W+46 YCZF 31-OCT-95 C 31-NNV-95 IN WATER BY GRAA SD28 SB WXXXX DY4W+46 YCZF 31-OCT-95 C 31-NNV-95 IN WATER BY GRAA SD28 SB WXXXX DY4W+46 YCZF 31-OCT-95 C 31-NNV-95 IN WATER BY GRAA SD28 SB WXXXX DY4W+46 YCZF 31-OCT-95 C 3	IN WATER BY	SD21	SR	MDG307X1	DV4W*448	XCNP	31-0CT-95	27-NOV-95	v	3.02	œr	0.0
IN WATER BY GRAA SD21 SB NUZMA12X3 DY4W*450 XCOP 02-NOV-95 A 3.02 IN WATER BY GRAA SD21 SB NY5703XY DY4W*275 XCOP 02-NOV-95 A 3.02 IN WATER BY GRAA SD21 SB NY5703XY DY4W*235 XCOP 02-NOV-95 A 3.02 IN WATER BY GRAA SD22 AS NY5703XY DY4W*432 XCOP 02-NOV-95 A 3.02 IN WATER BY GRAA SD22 AS NY5703XY DY4W*447 YCRP 02-NOV-95 A 02-NO	IN WATER BY	SD21	SR	MXG3 07X1		XCNP	31-0CT-95	27-NOV-95	v	3.02	Œ	0.0
IN WATER BY GRAA SD21 SB NXZM12X3 DY4W*715 XCOP 02-NOV-95 30-NOV-95 10.0 MATER BY GRAA SD21 SB NXZM12X3 DY4W*202 XCIF 13-SBP-95 09-OCT-95 10.0 MATER BY GRAA SD22 AS ND5703XX DY4W*202 XCIF 13-SBP-95 09-OCT-95 10.0 MATER BY GRAA SD22 AS ND5703X1 DY4W*415 YCRF 31-OCT-95 29-NOV-95 10.0 MATER BY GRAA SD22 AS ND5703X1 DY4W*416 YCRF 31-OCT-95 29-NOV-95 10.0 MATER BY GRAA SD22 AS ND5703X1 DY4W*416 YCRF 31-OCT-95 29-NOV-95 10.0 MATER BY GRAA SD22 AS ND5703X1 DY4W*416 YCRF 31-OCT-95 29-NOV-95 10.0 MATER BY GRAA SD22 AS ND5703X1 DY4W*416 YCRF 31-OCT-95 29-NOV-95 10.0 MATER BY GRAA SD22 AS ND5703X1 DY4W*416 YCRF 31-OCT-95 29-NOV-95 10.0 MATER BY GRAA SD22 AS ND5703X1 DY4W*416 YCRF 31-OCT-95 30-NOV-95 10.0 NOV-95 10.0 MATER BY GRAA SD22 AS ND5703X1 DY4W*416 YCRF 31-OCT-95 30-NOV-95 10.0 MATER BY GRAA SD22 AS ND5703X1 DY4W*416 YCRF 31-OCT-95 30-NOV-95 10.0 ND5703X1 DY4W*416 YCRF 31-OCT-95 30-NOV-95 10.0 ND5703X1 DY4W*416 YCRF 31-OCT-95 29-NOV-95 10.0 ND5703X1 DY4W*216 YCRF 31-OCT-95 29-NOV-95 10.0 ND5703X1 DY4W*216 YCRF 31-OCT-95 29-NOV-95 10.0 ND5703X1 DY4W*216 YCRF 31-OCT-95 10.0 YCR-95 10.0 ND5703X1 DY4W*216 YCRF 31-OCT-95 10.0 YCR-95 10.0 YCR-95 10.0 YCR-95 YCRF 31-OCT-95 YCRF	IN WATER BY	SD21	SR	MDZW12X3		XCOF	02-NOV-95	30-NOV-95	v	3.02	ngr	0.0
IN WATER BY GRAA SD21 SB WX5703XX DV4W*202 XCIF 13-SBP-95 09-OCT-95 < 3.02 IN WATER BY GRAA SD21 AS WX5X03X1 DV4W*235 YCRF 31-OCT-95 29-NOV-95 3-41 IN WATER BY GRAA SD22 AS MDAX03X1 DV4W*447 YCRF 31-OCT-95 29-NOV-95 3-41 IN WATER BY GRAA SD22 AS MDAX1X3 DV4W*448 YCRP 31-OCT-95 29-NOV-95 < 2.54 IN WATER BY GRAA SD22 AS MDAX1X3 DV4W*420 YCRF 31-OCT-95 29-NOV-95 < 2.54 IN WATER BY GRAA SD22 AS MDAX1X3 DV4W*420 YCRF 31-OCT-95 29-NOV-95 < 2.54 IN WATER BY GRAA SD22 AS MDAX1X3 DV4W*420 YCRP 31-OCT-95 30-NOV-95 < 2.54 IN WATER BY GRAA SD22 AS MX5W12X3 DV4W*205 YCMP 31-OCT-95 30-NOV-95 < 2.54 IN WATER BY GRAA SD22 AS WX5703XX DV4W*205 YCMP 31-OCT-95 30-NOV-95 < 2.54 IN WATER BY GRAA SD22 AS WX5703XX DV4W*420 YCMP 31-OCT-95 30-NOV-95 < 3.03 IN WATER BY GRAA SD28 SB MXAX03X1 DV4W*420 YCMP 31-OCT-95 29-NOV-95 < 3.03 IN WATER BY GRAA SD28 SB MX5M12X3 DV4W*450 NYM 31-OCT-95 29-NOV-95 < 3.03 IN WATER BY GRAA SD28 SB MDAX03X1 DV4W*450 NYM 31-OCT-95 30-NOV-95 < 3.03 IN WATER BY GRAA SD28 SB MDAX03X1 DV4W*450 NYM 31-OCT-95 30-NOV-95 < 3.03 IN WATER BY GRAA SD28 SB MDAX03X1 DV4W*450 NYM 31-OCT-95 30-NOV-95 < 3.03 IN WATER BY GRAA SD28 SB MDAX1X3 NYM MATER BY GRAA SD28 SB MDAX1X3 NYM 31-OCT-95 30-NOV-95 < 3.03 IN WATER BY GRAA SD28 SB MX5M12X3 DV4W*450 NYM 31-OCT-95 30-NOV-95 < 3.03 IN WATER BY GRAA SD28 SB MX5M12X3 DV4W*450 NYM 51-OCT-95 30-NOV-95 < 3.03 IN WATER BY GRAA SD28 SB MX5M12X3 DV4W*450 NYM 51-OCT-95 30-NOV-95 < 3.03 IN WATER BY GRAA SD28 SB MX5M12X3 DV4W*450 NYM 51-OCT-95 30-NOV-95 < 3.03 IN WATER BY GRAA SD28 SB MX5M12X3 DV4W*450 NYM 51-OCT-95 30-NOV-95 < 3.03 IN WATER BY GRAA SD28 SB MX5M12X3 DV4W*450 NYM 51-OCT-95 30-NOV-95 < 3.03 IN WATER BY GRAA SD28 SB MX5M12X3 DV4W*450 NYM 51-OCT-95 30-NOV-95 < 3.03 IN WATER BY GRAA SD28 SB MX5M12X3 DV4W*205 NYM 51-OCT-95 30-NOV-95 S < 3.03 IN WATER BY GRAA SD28 SB NYM 51-OCT-95 30-NOV-95 S < 3.03 IN WATER BY GRAA SD28 SB NYM 51-OCT-95 30-NOV-95 S < 3.03 IN WATER BY GRAA SD28 SB NYM 51-OCT-95 S < 3.03 IN WATER BY GRAA SD28 SB NYM 51-OCT-95 S < 3.03 I	IN WATER BY	SD21	SB	MXZW12X3		XCOP	02-NOV-95	30-NON-95	v	3.02	ngr	0.0
IN WATER BY GRAA SD22 AS WXXXO3XI DV4W*432 XCIF 13-SBP-95 09-OCT-95 3.02 IN WATER BY GRAA SD22 AS MXXXO3XI DV4W*447 XCRP 31-OCT-95 29-NOV-95 4.26 IN WATER BY GRAA SD22 AS MXG3O7XI DV4W*447 XCRP 31-OCT-95 29-NOV-95 3.41 IN WATER BY GRAA SD22 AS MXG3O7XI DV4W*450 XCRP 31-OCT-95 29-NOV-95 3.41 IN WATER BY GRAA SD22 AS MXG3O7XI DV4W*450 XCRP 31-OCT-95 29-NOV-95 2.54 IN WATER BY GRAA SD22 AS MXXTAX3 DV4W*450 XCRP 11-OCT-95 29-NOV-95 2.54 IN WATER BY GRAA SD22 AS MXXTAX3 DV4W*450 XCRP 11-OCT-95 30-NOV-95 2.54 IN WATER BY GRAA SD22 AS MXXTAX3 DV4W*450 XCRP 11-SBP-95 09-OCT-95 2.54 IN WATER BY GRAA SD28 SB MXXXO3XI DV4W*440 NFWD 31-OCT-95 29-NOV-95 4.69 <	IN WATER BY	SD21	SB	WX5703XX	DV4W*202	XCIF	13-SRP-95	09-0CI-95	v	3.02	UGE	0.0
IN WATER BY GRAA SD22 AS MCAXO3X1 DV4W*215 YCRP 31-OCT-95 29-NOV-95 3.41 IN WATER BY GRAA SD22 AS MDAXO3X1 DV4W*447 YCRP 31-OCT-95 29-NOV-95 3.41 IN WATER BY GRAA SD22 AS MDAXO3X1 DV4W*448 YCRP 31-OCT-95 29-NOV-95 < 2.54 IN WATER BY GRAA SD22 AS MDAXO3X1 DV4W*450 YCSP 02-NOV-95 < 2.54 IN WATER BY GRAA SD22 AS MDAXO3X1 DV4W*275 YCSP 02-NOV-95 < 2.54 IN WATER BY GRAA SD22 AS WXS7O3XX DV4W*202 YCMP 13-SBP-95 O9-OCT-95 SD2-0CT-95 IN WATER BY GRAA SD22 AS WXS7O3XX DV4W*202 YCMP 13-SBP-95 O9-OCT-95 IN WATER BY GRAA SD28 SB MDAXO3X1 DV4W*450 NFWD 31-OCT-95 SP-NOV-95 < 3.03 IN WATER BY GRAA SD28 SB MCG3O7X1 DV4W*450 NFWD 31-OCT-95 SP-NOV-95 (4.69) IN WATER BY GRAA SD28 SB MCG3O7X1 DV4W*450 NFWD 31-OCT-95 SP-NOV-95 (3.03) IN WATER BY GRAA SD28 SB MCG3O7X1 DV4W*450 NFWD 31-OCT-95 SP-NOV-95 (3.03) IN WATER BY GRAA SD28 SB MCG3O7X1 DV4W*450 NFWD 31-OCT-95 SP-NOV-95 (3.03) IN WATER BY GRAA SD28 SB MCG3O7X1 DV4W*450 NFWD 31-OCT-95 SP-NOV-95 (3.03) IN WATER BY GRAA SD28 SB MCG3O7X1 DV4W*450 NFWD 31-OCT-95 SP-NOV-95 (3.03) IN WATER BY GRAA SD28 SB MCG3O7X1 DV4W*450 NFWD 31-OCT-95 SP-NOV-95 (3.03) IN WATER BY GRAA SD28 SB MCG3O7X1 DV4W*450 NFWD 31-OCT-95 SP-NOV-95 (3.03) IN WATER BY GRAA SD28 SB MXG3O7X1 DV4W*450 NFWD 31-OCT-95 SP-NOV-95 (3.03) IN WATER BY GRAA SD28 SB MXG3O3XX DV4W*202 NFWD 31-OCT-95 SP-NOV-95 (3.03) IN WATER BY GRAA SD28 SB MXG3O3XX DV4W*202 NFWD 31-OCT-95 SP-NOV-95 (3.03) IN WATER BY GRAA SD28 SB MXG3O3XX DV4W*202 NFWD 31-OCT-95 SP-NOV-95 (3.03) IN WATER BY GRAA SD28 SB MXG3O3XX DV4W*202 NFWD 31-OCT-95 SP-NOV-95 (3.03) IN WATER BY GRAA SD28 SB MXG3O3XX DV4W*202 NFWD 31-OCT-95 SP-NOV-95 (3.03) IN WATER BY GRAA SD28 SB MXG3O3XX DV4W*202 NFWD 31-OCT-95 SP-NOV-95 (3.03) IN WATER BY GRAA SD28 SB MXG3O3XX DV4W*202 NFWD 31-OCT-95 SP-NOV-95 (3.03) IN WATER BY GRAA SD28 SB MXG3O3XX DV4W*202 NFWD 31-OCT-95 SP-NOV-95 (3.03) IN WATER BY GRAA SD28 SB MXG3O3XX DV4W*202 NFWD 31-OCT-95 SP-NOV-95 (3.03) IN WATER BY GRAA SD28 SB MXG3O3XX DV4W*203 NFWD 31-OCT-95 SP-NOV-95 SP-NOV-95 SP-NOV-95 SP-NOV-95 S	IN WATER BY	SD21	SB	WD5703XX	DV4W*432	XCIP	13-SEP-95	09-0CT-95	v	3.02	ngr,	0.0
IN WATER BY GRAA SD22 AS MXAXO3XI DV4W*447 YCRP 31-OCT-95 29-NOV-95 3.41 IN WATER BY GRAA SD22 AS MXG3O7XI DV4W*447 YCRP 31-OCT-95 29-NOV-95 3.41 IN WATER BY GRAA SD22 AS MXG3O7XI DV4W*448 YCRP 31-OCT-95 29-NOV-95 < 2.54 IN WATER BY GRAA SD22 AS MXG3O7XI DV4W*45 YCRP 31-OCT-95 29-NOV-95 < 2.54 IN WATER BY GRAA SD22 AS MXG3O3XI DV4W*202 YCMP 13-SBP-95 O9-OCT-95 30-NOV-95 < 2.54 IN WATER BY GRAA SD22 AS WXG7O3XX DV4W*202 YCMP 13-SBP-95 O9-OCT-95 S1.02 IN WATER BY GRAA SD28 AS MXG3O3XI DV4W*202 YCMP 13-SBP-95 O9-OCT-95 S1.03 IN WATER BY GRAA SD28 AS MXG3O3XI DV4W*416 NFWD 31-OCT-95 29-NOV-95 < 3.03 IN WATER BY GRAA SD28 AS MXG3O3XI DV4W*448 NFWD 31-OCT-95 S1.03 IN WATER BY GRAA SD28 AS MXG3O3XI DV4W*448 NFWD 31-OCT-95 S1.03 IN WATER BY GRAA SD28 AS MXG3O3XI DV4W*448 NFWD 31-OCT-95 S1.03 IN WATER BY GRAA SD28 AS MXG3O3XI DV4W*448 NFWD 31-OCT-95 S1.03 IN WATER BY GRAA SD28 AS MXG3O3XI DV4W*448 NFWD 31-OCT-95 S1.03 IN WATER BY GRAA SD28 AS MXG3O3XI DV4W*448 NFWD 31-OCT-95 S1.03 IN WATER BY GRAA SD28 AS MXG3O3XI DV4W*448 NFWD 31-OCT-95 S1.03 IN WATER BY GRAA SD28 AS MXG3O3XI DV4W*448 NFWD 31-OCT-95 S1.03 IN WATER BY GRAA SD28 AS MXG3O3XI DV4W*448 NFWD 31-OCT-95 S1.03 IN WATER BY GRAA SD28 AS MXG3O3XI DV4W*448 NFWD 31-OCT-95 S1.03 IN WATER BY GRAA SD28 AS MXG3O3XI DV4W*450 NFWD 02-NOV-95 AS 31.03 IN WATER BY GRAA SD28 AS MXG3O3XI DV4W*450 NFWD 02-NOV-95 AS 31.03 IN WATER BY GRAA SD28 AS MXG3O3XI DV4W*450 NFWD 02-NOV-95 AS 31.03 IN WATER BY GRAA SD28 AS MXG3O3XI DV4W*450 NFWD 02-NOV-95 AS 31.03 IN WATER BY GRAA SD28 AS MXG3O3XI DV4W*450 NFWD 02-NOV-95 AS 31.03 IN WATER BY GRAA SD28 AS MXG3O3XI DV4W*450 NFWD 02-NOV-95 AS 31.03 IN WATER BY GRAA SD28 AS MXG3O3XI DV4W*450 NFWD 02-NOV-95 AS 31.03 IN WATER BY GRAA SD28 AS MXG3O3XI DV4W*450 NFWD 02-NOV-95 AS 31.03 IN WATER BY GRAA SD28 AS MXG3O3XI DV4W*450 NFWD 02-NOV-95 AS 31.03 IN WATER BY GRAA SD28 AS MXG3O3XI DV4W*450 NFWD 02-NOV-95 AS 31.03 IN WATER BY GRAA SD28 AS MXG3O3XI DV4W*450 NFWD 02-NOV-95 AS 31.03 IN WATER BY GRAA SD28 AS MXG3O3XI DV4												
IN WATER BY GRAA SD22 AS MIXERORY I DV4W*447 YGRP 31-OCT-95 29-NOV-95 < 2.54 IN WATER BY GRAA SD22 AS MIXERORY I DV4W*4165 YGRP 31-OCT-95 29-NOV-95 < 2.54 IN WATER BY GRAA SD22 AS MIXERORY I DV4W*4165 YGRP 31-OCT-95 30-NOV-95 < 2.54 IN WATER BY GRAA SD22 AS MIXERORY I DV4W*420 YGRP 31-OCT-95 30-NOV-95 < 2.54 IN WATER BY GRAA SD22 AS MIXERORY I DV4W*420 YGRP 31-OCT-95 30-NOV-95 < 2.54 IN WATER BY GRAA SD22 AS MIXERORY I DV4W*420 YGRP 31-OCT-95 30-NOV-95 < 2.54 IN WATER BY GRAA SD28 AS MIXERORY I DV4W*432 YGRP 31-OCT-95 30-NOV-95 < 3.03 IN WATER BY GRAA SD28 SB MIXERORY I DV4W*441 NIFRD 31-OCT-95 29-NOV-95 < 3.03 IN WATER BY GRAA SD28 SB MIXERORY I DV4W*445 NIFRD 31-OCT-95 30-NOV-95 < 3.03 IN WATER BY GRAA SD28 SB MIXERORY I DV4W*448 NIFRD 31-OCT-95 30-NOV-95 < 3.03 IN WATER BY GRAA SD28 SB MIXERORY I DV4W*448 NIFRD 31-OCT-95 30-NOV-95 < 3.03 IN WATER BY GRAA SD28 SB MIXERORY I DV4W*448 NIFRD 31-OCT-95 30-NOV-95 < 3.03 IN WATER BY GRAA SD28 SB MIXERORY I DV4W*450 NIFRD 02-NOV-95 30-NOV-95 < 3.03 IN WATER BY GRAA SD28 SB MIXERORY I DV4W*450 NIFRD 02-NOV-95 30-NOV-95 < 3.03 IN WATER BY GRAA SD28 SB MIXERORY I DV4W*450 NIFRD 02-NOV-95 S 30-NOV-95 N WATER BY	SD22	SF.	MXAX03X1	DV4W*235	YCRF	31-0CT-95	29-NOV-95		4.26	UGL	22.2	
IN WATER BY GRAA SD22 AS MXG307X1 DV4W*165 YCRP 31-OCT-95 29-NOV-95 < 2.54 IN WATER BY GRAA SD22 AS MD3A12X3 DV4W*468 YCRP 31-OCT-95 29-NOV-95 < 2.54 IN WATER BY GRAA SD22 AS MXZM12X3 DV4W*4275 YCSP 02-NOV-95 < 2.54 IN WATER BY GRAA SD22 AS MXZM12X3 DV4W*4275 YCRP 13-SRP-95 09-OCT-95	IN WATER BY	SD22	AS	MDAX03X1	DV4W*447	YCRF	31-0CT-95	29-NOV-95		3.41	ngr	22.2
IN WATER BY GRAA SD22 AS MDG307X1 DV4W*448 YCRP 31-0CT-95 29-NOV-95 < 2.54 IN WATER BY GRAA SD22 AS MDZA12X3 DV4W*450 YCSP 02-NOV-95 30-NOV-95 < 2.54 IN WATER BY GRAA SD22 AS WX5703XX DV4W*275 YCSP 02-NOV-95 30-NOV-95 < 2.54 IN WATER BY GRAA SD22 AS WX5703XX DV4W*23 YCMP 13-SBP-95 09-CCT-95 5.12 IN WATER BY GRAA SD28 SB MXG307X1 DV4W*447 NFMD 31-CCT-95 29-NOV-95 < 3.03 IN WATER BY GRAA SD28 SB MXG307X1 DV4W*450 NFMD 31-CCT-95 29-NOV-95 < 3.03 IN WATER BY GRAA SD28 SB MXG307X1 DV4W*450 NFMD 31-CCT-95 29-NOV-95 < 3.03 IN WATER BY GRAA SD28 SB MXG307X1 DV4W*450 NFMD 31-CCT-95 29-NOV-95 < 3.03 IN WATER BY GRAA SD28 SB MXG307X1 DV4W*450 NFMD 31-CCT-95 30-NOV-95 < 3.03 IN WATER BY GRAA SD28 SB MXG307X1 DV4W*450 NFMD 31-CCT-95 30-NOV-95 < 3.03 IN WATER BY GRAA SD28 SB MXG307X1 DV4W*450 NFMD 31-CCT-95 30-NOV-95 < 3.03 IN WATER BY GRAA SD28 SB MXG307X1 DV4W*450 NFMD 31-CCT-95 30-NOV-95 < 3.03 IN WATER BY GRAA SD28 SB MXG307X1 DV4W*450 NFMD 31-CCT-95 30-NOV-95 < 3.03 IN WATER BY GRAA SD28 SB MXG307X1 DV4W*450 NFMD 31-CCT-95 30-NOV-95 < 3.03 IN WATER BY GRAA SD28 SB WX5703XX DV4W*202 NFMD 13-SBP-95 10-CCT-95 30-NOV-95 < 3.03 IN WATER BY GRAA SD28 SB MXG303XX DV4W*202 NFMD 13-CSBP-95 10-CCT-95 30-NOV-95 < 3.03 IN WATER BY GRAA SD28 SB MXG703XX DV4W*202 NFMD 13-SBP-95 10-CCT-95 30-NOV-95 < 3.03 IN WATER BY GRAA SD28 SB MXG703XX DV4W*202 NFMD 13-SBP-95 10-CCT-95 30-NOV-95 < 3.03 IN WATER BY GRAA SD28 SB MXG703XX DV4W*202 NFMD 13-SBP-95 10-CCT-95 30-NOV-95 < 3.03 IN WATER BY GRAA SD28 SB MX5703XX DV4W*202 NFMD 13-SBP-95 10-CCT-95 30-NOV-95 < 3.03 IN WATER BY GRAA SD28 SB MX5703XX DV4W*202 NFMD 13-SBP-95 10-CCT-95 30-NOV-95 < 3.03 IN WATER BY GRAA SD28 SB MX5703XX DV4W*202 NFMD 13-SBP-95 10-CCT-95 30-NOV-95 < 3.03 IN WATER BY GRAA SD28 SB MX5703XX DV4W*202 NFMD 13-SBP-95 10-CCT-95 30-NOV-95 < 3.03 IN WATER BY GRAA SD28 SB MX5703XX DV4W*205 NFMD 13-SBP-95 10-CCT-95 30-NOV-95 < 3.03 IN WATER BY GRAA SD28 SB MX5703XX DV4W*202 NFMD 13-CSBP-95 10-CCT-95 30-NOV-95 < 3.03 IN WATER BY GRAA SD28 SB MX5703XX DV4	IN WATER BY	SD22	AS	MXG307X1	DV4W*165	YCRP	31-0CT-95	29-NOV-95	v	2.54	ner	0.0
IN WATER BY GRAA SD22 AS MDZW12X3 DV4W*450 YCSF 02-NOV-95 30-NOV-95 < 2.54 IN WATER BY GRAA SD22 AS MXXM12X3 DV4W*275 YCSF 02-NOV-95 30-NOV-95 < 2.54 IN WATER BY GRAA SD22 AS WX5703XX DV4W*202 YCMF 13-SBP-95 09-OCT-95 5.12 IN WATER BY GRAA SD28 SB MXXX03X1 DV4W*450 NFWD 31-OCT-95 29-NOV-95 < 3.03 IN WATER BY GRAA SD28 SB MXG307X1 DV4W*450 NFWD 31-OCT-95 29-NOV-95 < 3.03 IN WATER BY GRAA SD28 SB MXG307X1 DV4W*450 NFWD 31-OCT-95 29-NOV-95 < 3.03 IN WATER BY GRAA SD28 SB MXG307X1 DV4W*450 NFWD 31-OCT-95 29-NOV-95 < 3.03 IN WATER BY GRAA SD28 SB MXG307X1 DV4W*450 NFWD 31-OCT-95 30-NOV-95 < 3.03 IN WATER BY GRAA SD28 SB MXG307X1 DV4W*450 NFWD 31-OCT-95 30-NOV-95 < 3.03 IN WATER BY GRAA SD28 SB MXG307X1 DV4W*450 NFWD 31-OCT-95 30-NOV-95 < 3.03 IN WATER BY GRAA SD28 SB MXG31X3 DV4W*450 NFWD 31-OCT-95 30-NOV-95 < 3.03 IN WATER BY GRAA SD28 SB MXGM12X3 DV4W*202 NFWD 13-SBP-95 10-OCT-95 30-NOV-95 < 3.03 IN WATER BY GRAA SD28 SB MXGM12X3 DV4W*202 NFWD 13-SBP-95 10-OCT-95 30-NOV-95 < 3.03 IN WATER BY GRAA SD28 SB MXGM12X3 DV4W*202 NFWD 13-SBP-95 10-OCT-95 30-NOV-95 < 3.03 IN WATER BY GRAA SD28 SB MXGM12X3 DV4W*202 NFWD 13-SBP-95 10-OCT-95 30-NOV-95 < 3.03 IN WATER BY GRAA SD28 SB MXGM12X3 DV4W*202 NFWD 13-SBP-95 10-OCT-95 S 30-NOV-95 < 3.03 IN WATER BY GRAA SD28 SB MXGM12X3 DV4W*202 NFWD 13-SBP-95 10-OCT-95 S 30-NOV-95 < 3.03 IN WATER BY GRAA SD28 SB MXGM12X3 DV4W*202 NFWD 13-SBP-95 10-OCT-95 S 30-NOV-95 S SB MXGM12X3 DV4W*202 NFWD 13-SBP-95 S 30-NOV-95 S SB MXGM12X3 DV4W*202 NFWD 13-SBP-95 S SB MXGM12X3 DV4W*202 NFWD 13-	IN WATER BY	SD22	AS	MDG307X1	DV4W*448	YCRP	31-0CT-95	29-NOV-95	v	2.54	Ten	0.0
IN WATER BY GRAA SD22 AS MXS703XX DV4W*215 YCSF 02-NOV-95 30-NOV-95 5.12 IN WATER BY GRAA SD22 AS WX5703XX DV4W*215 YCMF 13-SRP-95 09-CCT-95 5.12 IN WATER BY GRAA SD28 SB MX5703X1 DV4W*215 NFMD 31-CCT-95 29-NOV-95 4.69 IN WATER BY GRAA SD28 SB MX503X1 DV4W*46 NFMD 31-CCT-95 29-NOV-95 4.3.03 IN WATER BY GRAA SD28 SB MX501X1 DV4W*46 NFMD 31-CCT-95 29-NOV-95 4.3.03 IN WATER BY GRAA SD28 SB MX501X1 DV4W*46 NFMD 31-CCT-95 29-NOV-95 4.3.03 IN WATER BY GRAA SD28 SB MX501X1 DV4W*46 NFMD 31-CCT-95 29-NOV-95 4.3.03 IN WATER BY GRAA SD28 SB MX501X1 DV4W*46 NFMD 31-CCT-95 30-NOV-95 4.3.03 IN WATER BY GRAA SD28 SB MX5703XX DV4W*45 NFMD 02-NOV-95 4.3.03 IN WATER BY GRAA SD28 SB MX5703XX DV4W*202 NFMD 13-SRP-95 10-CCT-95 30-NOV-95 4.3.03	IN WATER BY	SD22	AS	MDZW12X3	DV4W*450	YCSF	02-NOV-95	30-NOV-95	v	2.54	ngr	0.0
IN WATER BY GFAA SD22 AS WK5703XX DV4W*202 YCMF 13-SBP-95 09-OCT-95 5.12 IN WATER BY GFAA SD28 AS WD5703XX DV4W*215 NFWD 13-SBP-95 09-OCT-95 4.69 IN WATER BY GFAA SD28 SB MCAXO3X1 DV4W*451 NFWD 13-OCT-95 29-NOV-95 < 3.03 IN WATER BY GFAA SD28 SB MCA3O7X1 DV4W*448 NFWD 13-OCT-95 29-NOV-95 < 3.03 IN WATER BY GFAA SD28 SB MCA3O7X1 DV4W*448 NFWD 13-OCT-95 29-NOV-95 < 3.03 IN WATER BY GFAA SD28 SB MCA3O7X1 DV4W*450 NFWD 02-NOV-95 < 3.03 IN WATER BY GFAA SD28 SB MCA3O7X1 DV4W*450 NFWD 02-NOV-95 < 3.03 IN WATER BY GFAA SD28 SB MCA3O7X1 DV4W*450 NFWD 02-NOV-95 < 3.03 IN WATER BY GFAA SD28 SB MCA3O7X1 DV4W*450 NFWD 02-NOV-95 < 3.03 IN WATER BY GFAA SD28 SB MCA3O7X1 DV4W*450 NFWD 02-NOV-95 < 3.03 IN WATER BY GFAA SD28 SB MCA3O3XX DV4W*202 NFWD 13-SBP-95 10-OCT-95 < 3.03	IN WATER BY	SD22	AS	MX ZW12X3	DV4W*275	YCSF	02-NOV-95	30-NON-95	v	2.54	ngr	0.0
IN WATER BY GRAA SD28 AS WD5703XX DV4W*432 YCMP 13-SBP-95 09-CCT-95 4.69 IN WATER BY GRAA SD28 SB MXAXO3X1 DV4W*447 NFWD 31-CCT-95 29-NOV-95 3.03 IN WATER BY GRAA SD28 SB MXAXO3X1 DV4W*447 NFWD 31-CCT-95 29-NOV-95 3.03 IN WATER BY GRAA SD28 SB MXG307X1 DV4W*448 NFWD 31-CCT-95 29-NOV-95 3.03 IN WATER BY GRAA SD28 SB MC307X1 DV4W*448 NFWD 31-CCT-95 29-NOV-95 3.03 IN WATER BY GRAA SD28 SB MC307X1 DV4W*450 NFXD 02-NOV-95 3.03 IN WATER BY GRAA SD28 SB MXZM12X3 DV4W*450 NFXD 02-NOV-95 3.03 IN WATER BY GRAA SD28 SB MXZM12X3 DV4W*205 NFVD 13-CKT-95 30-NOV-95 3.03	IN WATER BY	SD22	AS	WX5703XX	DV4W*202	YOMP	13-SEP-95	09-0CT-95		5.12	ngr	8.8
IN WATER BY GRAA SD28 SB MCAXO3X1 DV4W*215 NFWD 31-OCT-95 29-NOV-95 < 3.03 IN WATER BY GRAA SD28 SB MCA3O7X1 DV4W*447 NFWD 31-OCT-95 29-NOV-95 < 3.03 IN WATER BY GRAA SD28 SB MXG3O7X1 DV4W*448 NFWD 31-OCT-95 29-NOV-95 < 3.03 IN WATER BY GRAA SD28 SB MC3O7X1 DV4W*450 NFXD 31-OCT-95 29-NOV-95 < 3.03 IN WATER BY GRAA SD28 SB MC3O7X1 DV4W*450 NFXD 02-NOV-95 < 3.03 IN WATER BY GRAA SD28 SB MC3M12X3 DV4W*450 NFXD 02-NOV-95 30-NOV-95 < 3.03 IN WATER BY GRAA SD28 SB MXSM12X3 DV4W*202 NFWD 13-SBP-95 10-OCT-95 < 3.03 IN WATER BY GRAA SD28 SB MXSM12X3 DV4W*202 NFWD 13-SBP-95 10-OCT-95 < 3.03	IN WATER BY	SD22	AS	WD5703XX	DV4W*432	YCMP	13-SRP-95	09-0CT-95		4.69	ngr	80
IN WATER BY GFAA SD28 SB MXXX03X1 DV4W*417 NFMD 31-OCT-95 29-NOV-95 3.03 IN WATER BY GFAA SD28 SB MDAX03X1 DV4W*447 NFMD 31-OCT-95 29-NOV-95 3.03 IN WATER BY GFAA SD28 SB MXG307X1 DV4W*448 NFWD 31-OCT-95 29-NOV-95 3.03 IN WATER BY GFAA SD28 SB MDG307X1 DV4W*448 NFWD 31-OCT-95 29-NOV-95 3.03 IN WATER BY GFAA SD28 SB MDG307X1 DV4W*450 NFWD 02-NOV-95 3.03 IN WATER BY GFAA SD28 SB MXZM12X3 DV4W*450 NFWD 02-NOV-95 3.03 IN WATER BY GFAA SD28 SB MXZM12X3 DV4W*275 NFWD 02-NOV-95 3.03 IN WATER BY GFAA SD28 SB WX5703XX DV4W*202 13-SRP-95 10-OCT-95 3.03			•									
IN WATER BY GRAA SD28 SB MXG3O7X1 DV4W*447 NFWD 31-OCT-95 29-NOV-95 < 3.03 IN WATER BY GRAA SD28 SB MXG3O7X1 DV4W*448 NFWD 31-OCT-95 29-NOV-95 < 3.03 IN WATER BY GRAA SD28 SB MDG3O7X1 DV4W*448 NFWD 31-OCT-95 29-NOV-95 < 3.03 IN WATER BY GRAA SD28 SB MDG3V12X3 DV4W*450 NFXD 02-NOV-95 30-NOV-95 3.03 IN WATER BY GRAA SD28 SB MXGM12X3 DV4W*275 NFXD 02-NOV-95 30-NOV-95 3.03 IN WATER BY GRAA SD28 SB MXGM12X3 DV4W*275 NFWD 02-NOV-95 30-NOV-95 3.03 IN WATER BY GRAA SD28 SB MXGM12X3 DV4W*275 NFWD 02-NOV-95 30-NOV-95 3.03	IN WATER BY	SD28	38	MXAX03X1	DV4W*235	NPWD	31-0CT-95	29-NOV-95	v	3.03	ner	0.0
IN WATER BY GRAA SD28 SB MXG307X1 DV4W*448 NFWD 31-0CT-95 29-NOV-95 < 3.03 IN WATER BY GFAA SD28 SB MDG307X1 DV4W*448 NFWD 31-0CT-95 29-NOV-95 < 3.03 IN WATER BY GFAA SD28 SB MDGM12X3 DV4W*450 NFXD 02-NOV-95 30-NOV-95 3.03 IN WATER BY GFAA SD28 SB MXGM12X3 DV4W*275 NFXD 02-NOV-95 30-NOV-95 3.03 IN WATER BY GFAA SD28 SB WXS703XX DV4W*202 NFWD 13-SRP-95 10-OCT-95 3.03	IN WATER BY	SD28	SB	MDAX03X1	DV4W*447	NFWD	31-0CT-95	29-NOV-95	v	3.03	ngr	0.0
IN WATER BY GFAA SD28 SB MDG307X1 DV4W*448 NFWD 31-0CT-95 29-NOV-95 < 3.03 IN WATER BY GFAA SD28 SB MDZM12X3 DV4W*450 NFXD 02-NOV-95 30-NOV-95 < 3.03 IN WATER BY GFAA SD28 SB MXZM12X3 DV4W*275 NFXD 02-NOV-95 30-NOV-95 < 3.03 IN WATER BY GFAA SD28 SB WX5703XX DV4W*202 NFRD 13-SRP-95 10-0CT-95 < 3.03	IN WATER BY	SD28	SB	MXG307X1	DV4W*165	NFWD	31-0CT-95	29-NOV-95	v	3.03	UGT	0.0
IN WATER BY GFAA SD28 SB MDZW12X3 DV4W*450 NFXD 02-NOV-95 30-NOV-95 < 3.03 IN WATER BY GFAA SD28 SB MXZW12X3 DV4W*275 NFXD 02-NOV-95 30-NOV-95 < 3.03 IN WATER BY GFAA SD28 SB WX5703XX DV4W*202 NFRD 13-SBP-95 10-OCT-95 < 3.03	IN WATER BY	SD28	SB	MDG307X1	DV4W*448	NPWD	31-0CT-95	29-NOV-95	v	3.03	ner	0.0
IN WATER BY GFAA SD28 SB MXZM12X3 DV4W*275 NFXD 02-NOV-95 30-NOV-95 < 3.03 IN WATER BY GFAA SD28 SB WX5703XX DV4W*202 NFRD 13-SBP-95 10-OCT-95 < 3.03	IN WATER BY	SD28	SB	MDZW12X3	DV4W*450	NEXO	02-NOV-95	30-NOV-95	v	3.03	ngr	0.0
IN WAITER BY GFAA SD28 SB WX5703XX DV4W*202 NFRD 13-SBP-95 10-OCT-95 < 3.03	IN WATER BY	SD28	SB	MXZW12X3	DV4W*275	NEXO	02-NOV-95	30-NOV-95	v	3.03	ngr	0.0
	IN WATER BY	SD28	SB	WX5703XX		NFRD	13-SRP-95	10-0CT-95	v	3.03	ner	0.0

Chemical Quality Control Report Installation: Fort Devens, MA (DV) Group 2, 7 Sites

Method Description Code	IKDW1S Method Test Code Name	Field Sample Number	Lab Number Lot	Sample Date	Analysis Date	, V ;	Value	Value Units	RPD
SD28	SB	WD5703XX	DV4W*432 NPRD) 13-SBP-95	10-0CT-95	v	3.03	OGT	0.0
ICAP SS10	S E	MXAX03X1	DV4W*235 ZPSP	31-0CT-95	27-NOV-95	v	4.6	ner	0.0
	Y G	MDAX03X1	DV4W*447 ZPSP	31-0CT-95	27-NOV-95	v	4.6	ner	0.0
ICAP SS10	¥G	MDG307X1	DV4W*448 ZPSP	21-0CI-95	27-NOV-95	v	4.6	ner	0.0
ICAP SS10	Ą	MXG307X1	DV4W*165 ZPSP	31-0CT-95	27-NOV-95	v	4.6	ner	0.0
ICAP SS10	AG	MDZW12X3	DV4W*450 ZPTP	7 02-NOV-95	28-NOV-95	v	4.6	ner	0.0
ICAP SS10	9	MXZW12X3	DV4W*275 ZPTP	7 02-NOV-95	28-NOV-95	v	4.6	ner	0.0
ICAP SS10	AG	WX5703XX	DV4W*202 ZFLP	7 13-SBP-95	03-0CT-95	v	4.6	ner	0.0
ICAP SS10	S G	WD5703XX	DV4W*432 ZPLP	, 13-SBP-95	03-0CT-95	v	4.6	ner	0.0
ICAP SS10	Ą	MXAX03X1	DV4W*235 ZPSF	31-0CT-95	27-NOV-95		948	ngr	17.2
ICAP SS10	Æ	MDAX03X1	DV4W*447 ZPSF	31-0CT-95	27-NOV-95		798	UGE	17.2
ICAP SS10	Æ	MDG307X1	DV4W*448 ZPSF	31-0CT-95	27-NOV-95		168	ner	17.5
ICAP SS10	Æ	MXG307X1	DV4W*165 ZFSP	31-0CT-95	27-NOV-95	v	141	UGL	17.5
ICAP SS10	¥	MXZW12X3	DV4W*275 ZFTF	7 02-NOV-95	28-NOV-95		198	UGL	6.8
ICAP SS10	Æ	MDZW12X3	DV4W*450 ZPTP	7 02-NOV-95	28-NOV-95		185	ner	6.8
ICAP SS10	¥	WD5703XX	DV4W*432 ZPLP	, 13-SBP-95	03-0CT-95	v	141	UGL	0.0
ICAP SS10	¥	WX5703XX	DV4W*202 ZFLP	7 13-SEP-95	03-OCT-95	v	141	ner	0.0
ICAP SS10	BA	MDAX03X1	DV4W*447 ZPSP	31-0CT-95	27-NOV-95		30.1	ner	6.1
ICAP SS10	æ	MXAX03X1	DV4W*235 ZPSF	31-0CT-95	27-NOV-95		32	ner	6.1
	ВА	MDG307X1	DV4W*448 ZPSF	31-0CT-95	27-NOV-95		15.9	ner	3.2
ICAP SS10	æ	MXG307X1	DV4W*165 ZPSF	31-0CT-95	27-NOV-95		15.4	ner	3.2
ICAP SS10	BA	MDZW12X3	DV4W*450 ZPTP	7 02-NOV-95	28-NOV-95	v	ĸ	ugr	0.0
ICAP SS10	BA	MXZW12X3	DV4W*275 ZFTF	7 02-NOV-95	28-NOV-95	v	w	ner	0.0
ICAP SS10	BA	WX5703XX	DV4W*202 ZPLP	13-SBP-95	03-0CT-95		13.7	ner	9.5
ICAP SS10	BA	WD5703XX	DV4W*432 ZFLF	, 13-SBP-95	03-0CT-95		12.5	ner	9.5
ICAP SS10	88	MDAX03X1	DV4W*447 ZPSP	, 31-0CT-95	27-NOV-95	v	Ŋ	ugr	0.0
ICAP SS10	BB	MXAX03X1	DV4W*235 ZPSP	31-0CT-95	27-NOV-95	v	ın	ner	0.0
ICAP SS10	88	MDG3 07X1	DV4W*448 ZPSP	31-0CT-95	27-NOV-95	v	S	agr	0.0

Chemical Quality Control Report Installation: Fort Devens, MA (DV) Group 2, 7 Sites

Method Description		IRDMIS Method Code	Test Name	IRDMIS Field Sample Number	Lab Number	Lot	Sample Date	Analysis Date	v	Value Units	Unite	RPD
VG COURS NT DIVINITION	10801	0198	22	MXG307X1	DV4W*165	ZFSF	31-0CT-95	27-NOV-95	. v		UGE	0.0
TN WATER		2210	a a	MDZW12X3		ZPTP	02-NOV-95	28-NOV-95	v	w	UGE	0.0
IN WATER		8510	88	MXZW12X3		ZFTP	02-NOV-95	28-NOV-95	v	s	ner	0.0
TN WATER		8310	88	WX5703XX	DV4W*202	ZPLP	13-SEP-95	03-OCT-95	v	r.	UGL	0.0
IN WATER		3310	88	WD5703XX	DV4W*432	ZPLP	13-SRP-95	03-OCT-95	v	w	UGL	0.0
VR COTTEN IN MATERIAL	401	0188	ð	MDAX03X1	DV4W*447	ZPSP	31-0CL-95	27-NOV-95		60300	UGL	8.3
TO MATER		5810	i đ	MXAX03X1	DV4W#235	ZPSF	31-0CT-95	27-NOV-95		55500	ner	8.3
TN WATER		8310	ð	MDG307X1	DV4W*448	ZPSP	31-0CT-95	27-NOV-95		11900	ner	æ.
IN WATER		8810	ð	MXG307X1	DV4W*165	ZPSF	31-0CT-95	27-NOV-95		11800	ner Cer	∞.
TN WATER		8310	ే రే	MXZW12X3	DV4W*275	ZPTP	02-NOV-95	28-NOV-95		19300	UGI	3.2
IN WATER		5510	ð	MDZW12X3	DV4W*450	ZFTP	02-NOV-95	28-NOV-95		18700	UGE	3.2
IN WATER		5310	ฮ	WX5703XX	DV4W*202	ZPLF	13-SBP-95	03-0CI-95		25400	UGE	9.8
IN WATER		8310	ฮ	WD5703XX	DV4W*432	ZPLP	13-SEP-95	03-OCT-95		23300	Ten ner	9.8
VO COURS IN MANDE	TCAD	9310	8	MDAX03X1	DV4W*447	ZFSP	31-0CT-95	27-NOV-95	v	4.01	UGE	0.0
TN WATER		3310	8 8	MXAX03X1	DV4W*235.	ZPSP	31-0CT-95	27-NOV-95	v	4.01	UGE	0.0
TN WATER		8810	8	MDC307X1	DV4W*448	ZPSF	31-0CT-95	27-NOV-95	v	4.01	ner	0.0
IN WATER		5310	8	MXG307X1	DV4W*165	ZPSP	31-0CT-95	27-NOV-95	v	4.01	ner	0.0
IN WATER		8810	8	MDZW12X3	DV4W*450	ZFTF	02-NOV-95	28-NOV-95	v	4.01	ner	0.0
IN WATER		8810	8	MXZW12X3	DV4W*275	ZFTP	02-NOV-95	28-NOV-95	v	4.01	ngr	0.0
IN WATER		5310	8	WX5703XX	DV4W*202	ZPLP	13-SRP-95	03-0CT-95	v	4.01	ngr	0.0
IN WATER		8910	8	WD5703XX	DV4W*432	ZPLP	13-SEP-95	03-OCT-95	v	4.01	ngr	0.0
VE COTTEN OF STREET	4040	8810	. 8	MDAX03X1	DV4W*447	ZPSF	31-0CT-95	27-NOV-95	v	25	79n	0.0
TN WATED		8810	8	MXAX03X1	DV4W*235	ZPSF	31-0CT-95	27-NOV-95	v	25	ngr	0.0
TW WATER		9810	8	MDG307X1	DV4W*448	ZPSF	31-0CT-95	27-NOV-95	v	25	ngr	0.0
IN WATER		9810	8 8	MXG307X1	DV4W*165	ZFSF	31-0CT-95	27-NOV-95	v	25	ngr	0.0
TN WATED		0188	8	MDZW12X3	DV4W*450	ALAZ	02-NOV-95	28-NOV-95	•	25	UGE	0.0
IN WATER		8810	8	MXZW12X3	DV4W*275	SFIF	02-NOV-95	28-NOV-95	v	25	UGE	0.0
IN WATER		3310	8 8	WX5703XX	DV4W*202	ZPLP	13-SEP-95	03-0CT-95	v	25	ngr	0.0
IN WATER		3310	8 8	WD5703XX	DV4W*432	ZPLP	13-SRP-95	03-0CT-95	v	25	ngr	0.0

Chemical Quality Control Report Installation: Fort Devens, MA (DV) Group 2, 7 Sites

Group 7, / SILEB SAMPLE DUPLICATES (NON-FILITERED SAMPLES)

Method Description	IRDMIS Method	1. 2. 4. 5. 4. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5.	IRDMIS Pield Sample	Lab Number Lot	Sample		Analysis Date	v	Velue	Dotte	04 8
MEIALS IN WAIBK BY LCAP	3310	ž 8	HUMANUSAL MYNYNOSAL	TOTAL STATE OF	-16 ABAA	31-0CT-95	27-NOV-95	, ,	70.4	121	
IN WATER BY I	3310	5 6	MDG307X1			31-0CT-95	27-NOV-95	, v	6.02	183	
IN WATER BY I	3310	8	MXG307X1			31-0CT-95	27-NOV-95	•	6.02	UGL	0.0
IN WATER BY I	3310	f	MDZW12X3	DV4W*450 ZPTP	_	02-NOV-95	28-NOV-95	v	6.02	nar	0.0
IN WATER	5310	f	MXZW12X3	DV4W*275 ZP	ZPTP 02-1	02-NOV-95	28-NOV-95	•	6.02	ner	0.0
IN WATER	8810	б	WD5703XX	DV4W*432 ZP	ZPLP 13-8	13-8BP-95	03-0CT-95	v	6.02	UGT	0.0
IN WATER BY I	8810	წ	WX5703XX	DV4W*202 ZP	ZPLP 13-8	13-SBP-95	03-OCT-95	v	6.03	nor	0.0
METALS IN MATER BY ICAP	8310	8	MDAX03X1	DV4W*467 ZP	ZPSP 31-(31-0CT-95	27-NOV-95	v	8.09	UGE	0.0
IN WATER BY I	9310	8	MXAX03X1			31-0CT-95	27-NOV-95	v	8.09	CGL	0.0
IN WATER BY 1	8310	8	MDG307X1		ZPSP 31-(31-0CT-95	27-NOV-95	v	8.09	UGE	0.0
IN WATER BY I	3310	5	MXG307X1	DV4W*165 ZP	ZPSF 31-0	31-0CT-95	27-NOV-95	v	8.09	ngr,	0.0
IN WATER	5510	8	MDZW12X3	DV4W*450 ZF	ZPTP 02-1	02-NOV-95	28-NOV-95	v	8.09	UGI	0.0
METALS IN WATER BY ICAP	8310	8	MX ZW12X3	DV4W*275 ZP	ZFTF 02-1	02-NOV-95	28-NOV-95	v	8.09	ngr	0.0
METALS IN WATER BY ICAP	8810	9	WD5703XX	DV4W*432 ZP	ZPLP 13-8	13-SBP-95	03-0CT-95	v	8.09	UGE	99.2
METALS IN WATER BY ICAP	8310	8	WDK 5703XX	DV4W*202 ZF	ZPLP 13-6	13-SEP-95	03-0CI-95		74	ngr	99.3
METALS IN WATER BY ICAP	8310	8	MXAX03X1	DV4W*235 ZR	ZPSP 31-0	31-0CT-95	27-NOV-95		1430	ngr	22.6
IN WATER BY I	8310	PB	MDAX03X1			31-0CT-95	27-NOV-95		1140	nor	22.6
IN WATER	8810	P.B	MDG307X1	DV4W*448 ZP	ZPSF 31-0	31-0CT-95	27-NOV-95		247	UGL	58.6
METALS IN WATER BY ICAP	8310	PB	MXG307X1	DV4W*165 ZP	2PSF 31-0	31-0CT-95	27-NOV-95		135	ner	58.6
METALS IN WATER BY ICAP	8810	PB	MXZW12X3	DV4W*275 ZP		02-NOV-95	28-NOV-95		249	ner	27.9
METALS IN WATER BY ICAP	3310	PR	MDZW12X3	DV4W*450 ZP		02-NOV-95	28-NOV-95		188	nar	27.9
METALS IN WATER BY ICAP	8810	88	WD5703XX	DV4W*432 ZP	ZPLP 13-8	13-SBP-95	03-0CT-95		687	ngr ngr	29.5
METALS IN WATER BY ICAP	3310	88	WX5703XX	DV4W*202 ZF	ZPLP 13-6	13-SBP-95	03-OCT-95		512	ner	29.3
METALS IN WATER BY ICAP	3310	×	MDAX03X1	DV4W*447 ZP	ZPSF 31-(31-0CT-95	27-NOV-95		3250	CGL	7.6
METALS IN WATER BY ICAP	5310	×	MXXX03X1	DV4W*235 ZP	ZFSF 31-(31-0CT-95	27-NOV-95		2950	ner	7.6
METALS IN WATER BY ICAP	8810	×	MXG307X1	DV4W*165 ZP	ZPSF 31-(31-0CT-95	27-NOV-95		2240	ner	6.0
METALS IN WATER BY ICAP	8310	×	HDG307X1	DV4W*448 ZP		31-0CT-95	27-NOV-95		2110	ner	6.0
IN WATER BY I	8810	¥	MDZW12X3		-	02-NOV-95	28-NOV-95		1750	790	5.9
METALS IN WATER BY ICAP	3310	×	MXZW12X3	DV4W*275 ZF	ZFTP 02-1	02-NOV-95	28-NOV-95		1650	ner	5.9

Chemical Quality Control Report Installation: Fort Devens, MA (DV) Group 2, 7 Sites

SAMPLE DUPLICATES (NON-FILTERED SAMPLES) UMIS eld umple Lab Sample Analysis wher Number Lot Date Date value Units RPD	DV4W*432 ZPLP DV4W*202 ZPLP	AAKO3X1 DV4W*447 ZPSP 31-OCT-95 27-NOV-95 22200 UGL 28.3 AAKO3X1 DV4W*235 ZPSP 31-OCT-95 27-NOV-95 16700 UGL 28.3	DV4W*165 ZPSP 31-OCT-95 27-NOV-95 668 UGL	X3307X1 DV4M*448 ZFSF 31-OCF-95 27-NOV-95 664 USL .6	DV4W*450 ZFTF 02-NOV-95 28-NOV-95 1970 UGL	DV4W*202 ZFLP 13-SBP-95 03-OCT-95 3760 UGL	05703XX DV4M*432 ZFLF 13-SBP-95 03-OCT-95 3470 UGL 8.0	AX03X1 DV4M+235 ZPSF 31-OCT-95 27-NOV-95 2900 U3L 16.0	DV4W*447 ZFSF 31-OCT-95 27-NOV-95 2470 UGL	DV4W*448 ZPSF 31-OCT-95 27-NOV-95 6.88 UGL	DV4W*165 ZFSF 31-OCT-95 27-NOV-95 2.99 UGL)ZM12X3 DV4M*45G ZFIF 02-NOV-95 Z8-NOV-95 10.9 UGL 19.1 ZM12X3 DV4W*275 ZFIF 02-NOV-95 28-NOV-95	DV4W*202 ZFLP 13-SBP-95 03-OCT-95 123 UGL	DV4W*432 ZFLF 13-SEP-95 03-OCT-95 119 UGL	DV4W*235	DV4W*447 ZPSP 31-OCT-95 Z7-NOV-95 60600	DV4W*448 ZFSF 31-OCT-95 27-NOV-95 39100	DV4W*165 ZFSP 31-OCT-95 27-NOV-95 38400 UGL	DV4W*275 ZFTF 02-NOV-95 28-NOV-95 27500	DV4W*450 ZFTF 02-NOV-95 28-NOV-95 26500	. DV4W*202 ZPLF 13-SRP-95 03-OCT-95 20000 UGL	DV4W*432 ZPLF 13-SEP-95 03-OCT-95 18700	DV4W*447 ZPSP 31-OCT-95 27-NOV-95 <	DV4M*235 ZPSF 31-OCT-95 27-NOV-95 < 34.3 UGL	G307X1 DV4M*448 ZPSP 31-OCT-95 27-NOV-95 < 34.3 USL 0.0
TERED SAMPLE:		., .,	•••	•••	• ••	_	-		, ,	••		., .		•		••	••	•	•••	•	_	-			
Gamp Samp Lot Date	ZPLP	ZPSP	ZPSP	ZPSP	ALAZ	ZPLP	ZPLP	ZPSP	ZFSF	ZPSF	ZFSF	ALAZ	ZFLF	ZPLP	ZPSP	ZPSP	ZPSF	SPSP	ZFIF	ZFTP	ZPLP	ZPLP	ZFSP	ZPSP	ZPSP
Lab						_	_	_	_	_			_	-	Ī	_	_	_	_	_	_	_	_	_	DV4W*448
SANI IRUMIS Field Sample Number	WD5703XX WX5703XX	MDAX03X1	MXG307X1	MDG307X1	MDZW12X3	WX5703XX	WDS703XX	MXAX03X1	MDAX03X1	MDG307X1	MXG307X1	MDZW12X3	WX5703XX	WD5703XX	MXAX03X1	MDAX03X1	MDG307X1	MXG307X1	MXZW12X3	MDZW12X3	WX5703XX	WD5703XX	MDAX03X1	MXAX03X1	MDG307X1
7est Name	**	E	D	<u> </u>	e E	Æ	Ď.	N.W.	N.	NE :	Z	Z Z	N.	N.	Ą	ž	¥	ž	ĸ	\$	2	Ź	IN	N	ĸ
IRDMIS Method Code	α α)	5310		5510			8310	8310				5510		3310								5310			3210
Method Description	METALS IN WATER BY ICAP	METALS IN WATER BY ICAP	IN WATER BY	METALS IN WATER BY ICAP	IN WATER BY	IN WATER BY	METALS IN WATER BY ICAP	METALS IN WATER BY ICAP	IN WATER BY	IN WATER BY	IN WATER BY	METALS IN WATER BY ICAP	IN WATER BY	METALS IN WATER BY ICAP	BY	IN WATER BY	IN WATER BY	WATER BY		IN WATER BY	WATER BY	METALS IN WATER BY ICAP	IN WATER BY	IN WATER BY	METALS IN WATER BY ICAP

Chemical Quality Control Report Installation: Fort Devens, MA (DV) Group 2, 7 Sites

Method Description	IRDMIS Method Code	Test Name	IRDMIS Field Sample Number	Lab	ţ P	Sample Date	Analysis Date	. v	Value	Value Units	RPD
IN WATER BY	8310	¥	MXC3 07X1	1 10	ZPSF	31-0CT-95	27-NOV-95		34.3	Ten	0.0
IN WATER BY	3310	ĸ	MDZW12X3		ZFIP	02-NOV-95	28-NOV-95	v	34.3	nar	0.0
IN WATER BY	3310	H	MXZW12X3		ZFTP	02-NOV-95	28-NOV-95	v	34.3	USIL	0.0
IN WATER BY	8310	K	WX5703XX	DV4W*202	ZPLP	13-88P-95	03-0CT-95	v	34.3	UGL	0.0
METALS IN WATER BY ICAP	8310	¥	WD5703XX	DV4W*432	ZLIZ	13-8BP-95	03-0CF-95	v	34.3	m	0.0
METALS IN WATER BY ICAP	8810	>	MXXX03X1	DV4W*235	ZPSP	31-0CT-95	27-NOV-95	v	#	nar	0.0
WATER BY	8310	^	MDAX03X1	DV4W*447	ZPSF	31-0CT-95	27-NOV-95	v	11	COL	0.0
WATER BY	3310	>	MDG3 07X1	DV4W*448	ZPSP	31-0CT-95	27-NOV-95	•	11	UGE	0.0
IN WATER BY	8310	>	MXG307X1		ZPSP	31-0CT-95	27-NOV-95	v	#	USE	0.0
IN WATER BY	8810	>	MDZW12X3	DV4W*450	ALAZ	02-NOV-95	28-NOV-95	v	11	מפני	0.0
IN WATER BY	5310	>	MX ZW1 2 X3		ZFTP	02-NOV-95	28-NOV-95	v	==	COL	0.0
IN WATER BY	3310	>	WX5703XX	DV4N*202	ATI42	13-SEP-95	03-0CT-95	v	11	COL	0.0
METALS IN WATER BY ICAP	8310	۸	WD5703XX	DV4N*432	ZELP	13-88P-95	03-0CT-95	v	11	Teo	0.0
MACHINE WE SEE THE SECTION OF SECTION OF SECTION OF SECTION OF SECTION OF SECTION OF SECTION OF SECTION OF SECTION OF SECTION OF SECTION OF SECTION OF SECTION OF SECTION OF SECTION OF SECTION OF SECTION OF SECTION OF SEC	0.00	į	-ACOARON	. , , , , , , ,		20 000	10 1000	,	;		•
TO WELL IN	0100	5 i	TOWN ON THE		1019	31-0-15	CC_ACH_/7	v	7.77	7	9
IN WATER BY	9310	a i	MXAX03X1		ZFSF	31-0CI-95	27-NOV-95	v	21.1	700	0.0
IN WATER BY	8310	3	MDG307X1		ZPSF	31-0CI-95	27-NOV-95	v	21.1	UGE	0.0
IN WATER BY	3310	ផ	MXG307X1		ZPSP	31-0CT-95	27-NOV-95	v	21.1	ger	0.0
IN WATER BY	8310	K	MDZW12X3		ZPTP	02-NOV-95	28-NOV-95	v	21.1	OGE	0.0
IN WATER BY	8310	·	MXZW12X3	DV4N*275	ZPTP	02-NOV-95	28-NOV-95	v	21.1	UGE	0.0
IN WATER BY	8310	ž	WX5703XX		ZFIZ	13-88P-95	03-0CT-95	v	21.1	UGE	0.0
METALS IN WATER BY ICAP	8810	Z	WD5703XX	DV4N*432	ati az	13-SBP-95	03-0CT-95	v	21.1	Ten	0.0
NO2, NO3 IN WATER	TP22	NIT	HXXX03X1	DV4W*235	2002	31-0CT-95	13-NOV-95		76.2	790	85.5
KO S	17722	NIT	MDAX03X1	DV4W*447	2002	31-0CT-95	13-NOV-95		190	CGE	85.5
Ç Q	TF22	NIT	MXG307X1	DV4W*165	ZGOC	31-0CT-95	13-NOV-95		1300	ngr	26.1
NO EON	TP22	NIT	NDG307X1	DV4W*448	2002	31-0CT-95	13-NOV-95		1000	OGE	26.1
NO3 IN	TP22	NIT	MXZW12X3	DV4M*275	ZGMC	02-NOV-95	28-NOV-95		3400	CGE	9.5
NO3 IN	TP22	HIT	NDZW12X3		ZGMC	02-NOV-95	28-NOV-95		3100	UGE	9.5
NO3 IN	TP22	NIT	NX5703XX	DV4N*202	ZGRC	13-SEP-95	03-0CT-95		137	ner,	6.0
20	TF22	NIT	MD5703XX	DV4W*432	ZGRC	13-SBP-95	03-0CT-95		129	ner	6.0

Chemical Quality Control Report Installation: Fort Devens, MA (DV) Group 2, 7 Sites

			SAMPLE	DUPLICATE		SAMPLE DUPLICATES (NON-FILTERED SAMPLES)	MPLES)				
	IRDMIS	Test	IRDMIS Pield Sample	qei		Sample	Analysis				
Nethod Description	epoo	Name	Number	Number	i i	Date	Date	v	Value	Value Unite	RPD
OBTION NT TOTAL	ACALL	N2KJRL	MDAX03X1	DV4W*447 SHWA	SHWA	31-0CT-95	22-NOV-95		1140	Ten	8.2
7	TP26	NZKJBL	MXAX03X1	DV4W*235	SHWA	31-0CI-95	22-NOV-95		1050	ner	8.2
2	TF26	N2KJBL	MXG307X1	DV4W*165	SHWA	31-0CT-95	22-NOV-95	v	183	Œ	1.1
Z	1726	NZKJBL	MDG307X1	DV4W*448	SHWA	31-0CT-95	22-NOV-95		181	ner	1.1
Z	TP26	N2KJBL	MDZW12X3	DV4W*450	SHXA	02-NOV-95	28-NOV-95		1050	ner	œ.
Z	TF26	N2KJBL	MXZW12X3	DV4W*275	SHDCA	02-NOV-95	28-NOV-95		952	Ten.	6
Z	TF26	NZKJBL	WD5703XX	DV4W*432	SHVA	13-SBP-95	28-SRP-95		1430	Ngr	144.8
Z	TP26	N2KJEL	WX5703XX	DV4W*202	SHVA	13-8BP-95	28-SEP-95		229	ngr C	144.8
TOT. POS IN WATER	TF27	504	MXAX03X1	DV4W*235	WHPB	31-0CT-95	21-NOV-95		55.4	ngr	'n
NI	TP27	PO4	MDAX03X1	DV4W*447	WHEB	31-0CT-95	21-NOV-95		55.1	TOT.	'n
PO4	TP27	Ž	MXG307X1	DV4W*165	WHFB	31-0CT-95	21-NOV-95		18.2	Jeg.	31.1
Ä	TP27	204	MDG307X1	DV4W*448	WHEB	31-0CT-95	21-NOV-95	•	13.3	ngr Cer	31.1
PO4 IN	TP27	PO4	MX ZW12X3	DV4W*275	WHEB	02-NOV-95	21-NOV-95		2200	Udit	
PO4	TP27	PO4	MDZW12X3	DV4W*450	WHFB	02-NOV-95	21-NOV-95	•	2000	ner	9.5
NT 404	TP27	20	WX5703XX	DV4W*202		13-SBP-95	25-SBP-95		24.8	UGE	130.5
TOT. PO4 IN WATER	TF27	204	WD5703XX	DV4W*432	WHCB	13-SEP-95	25-SEP-95		118	Tea	130.5
SOA IN WATER	TT10	텅	MDAX03X1	DV4W*447	PDKC	31-0CT-95	22-NOV-95	•	20000	ner Ner	35.3
Z	TT10	덩	MXAX03X1	DV4W*235	POC	31-0CT-95	16-NOV-95	•••	35000	UGE	35.3
Ä	TT10	븅	MDG307X1	DV4W*448	PDKC	31-0CT-95	22-NOV-95	•	00099	UGIT	0.0
2	1110	ਹੈ	MXG307X1	DV4W*165	POJC	31-OCT-95	16-NOV-95	•	90099	ner	0.0
7	1110	ಕ	MXZW12X3	DV4W*275	PDKC	02-NOV-95	22-NOV-95	•	44000	CGE	4.7
Z	TTTO	ឋ	MDZW12X3	DV4W*450	POKC	02-NOV-95	22-NOV-95	•	42000	ner	4.7
_	TT10	ਈ	WX5703XX	DV4W*202	PDGC	13-SBP-95	18-SEP-95	•	44000	ner	0.0
Z	TT10	ਬੋ	WD5703XX	DV4W*432	PDGG	13-SRP-95	18-SBP-95		4000	nat.	0.0
7	į	708	NY DY O X X 1	TW4W#235	POTC	31-0CT-95	16-NOV-95		13000	UGE	2.4
SOL IN WATER	TT10	\$0°	MDAX03X1	DV4W*447 PDKC	Š	31-0CT-95	22-NOV-95		42000	ner	2.4
į											

Chemical Quality Control Report Installation: Port Devens, MA (DV) Group 2, 7 Sites

Method Description	IRDMIS Method Code	Test	IRCMIS Pield Sample Number	Lab Number Lot	Sample Date	Analysis Date	v	Value	Value Units	RPD
	1110	804	MXG307X1	DV4W*165 PDJC	31-0CT-95	16-NOV-95	: ! !	15000	ner	0.0
Z	TT10	804	MDG307X1	DV4W*448 PDKC	31-0CT-95	22-NOV-95		15000	ner	0.0
Z	TT10	804	MDZW12X3	DV4W*450 PDKC	02-NOV-95	22-NOV-95		16000	nat .	0.0
SO4 IN WATER	TT10	304	MX ZW12X3	DV4W*275 PDKC	02-NOV-95	22-NOV-95		16000	TEN	0.0
SOA IN WATER	TT10	804	WX5703XX	DV4W*202 PDGC	13-SEP-95	18-SEP-95		13000	COL	0.0
SO4 IN WATER	1110	304	WD5703XX	DV4W*432 PDGC	13-SEP-95	18-SBP-95		13000	ner	0.0
BUA'S IN WATER BY GC/MS	UM18	124TCB	MXAX03X1	DV4W*235 WDPI	31-0CT-95	13-NOV-95	٧	1.8	nar	0.0
BNA'S IN WATER BY GC/MS	UM18	124708	MDAX03X1	DV4M*447 NDFI	31-0CT-95	13-NOV-95	v	1.8	UGE	0.0
IN WATER BY	UM18	124TCB	MXG307X1	DV4W*165 NDPI	31-0CT-95	13-NOV-95	v	1.8	uat	0.0
IN WATER BY	UM18	124TCB	MDG307X1	DV4W*448 NDPI	31-0CT-95	13-NOV-95	•	1.8	ngr n	0.0
WATER	UM18	124TCB	MDZW12X3	DV4W*450 WDHI	02-NOV-95	05-DBC-95	v	1.8	nar nar	0.0
IN WATER BY	UM18	124TCB	NXZW12X3	DV4W*275 WDHI	02-NOV-95	05-DBC-95	•	1.8	UGE	0.0
IN WATER	UM18	124TCB	NX5703XX		13-8BP-95	26-9BP-95	v	1.8	UGE	0.0
BNA'S IN WATER BY GC/MS	UM18	124TCB	WD5703XX	DV4W*432 NDWH	13-8RP-95	27-SBP-95	v	1.8	ngr	0.0
BNA'S IN NATER BY GC/MS	UM18	12DCLB	MDAX03X1	DV4W*447 WDPI	31-0CT-95	13-NOV-95	٧	1.7	nar	0.0
IN MATER BY	UM18	12DCLB	HCCAX 03X1	DV4W*235 NDPI	31-0CT-95	13-NOV-95	v	1.7	UGE	0.0
	UM18	12DCLB	MXG3 07X1	DV4W*165 WDPI	31-0CT-95	13-NOV-95	v	1.7	UGE	0.0
BNA'S IN WATER BY GC/MS	UM18	12DCLB	MDG307X1	DV4W*448 NDFI	31-0CT-95	13-NOV-95	v	1.7	UGE	0.0
NATER BY	UM18	12DCLB	MDZW12X3		02-NOV-95	05-DBC-95	v	1.7	ner	0.0
IN WATER BY	UM18	12DCIB	MXZW12X3	DV4W*275 WDHI	02-NOV-95	05-DBC-95	•	1.1	COL	0.0
IN NATER BY	UM18	12DCLB	WX5703XX	DV4W*202 NDWH	13~SEP-95	26-SBP-95	v	1.7	UGIT	0.0
BNA'S IN WATER BY GC/MS	UM18	12DCLB	WD5703XX	DV4W*432 WDWH	13-SEP-95	27-SBP-95	v	1.7	OGE	0.0
BNA'S IN WATER BY GC/MS	UM18	12DPH	PCAX03X1	DV4M*235 NDFI	31-0CT-95	13-NOV-95	٧	7	ner	0.0
BY	UM18	12DPH	MDAX03X1	DV4W*447 NDPI	31-0CT-95	13-NOV-95	v	7	UGE	0.0
BNA'S IN WATER BY GC/MS	UMIR	12DPH	MDG307X1	DV4W*448 NDFI	31-0CT-95	13-NOV-95	•	~	ner	0.0
BNA'S IN WATER BY GC/MS	UM18	12DPH	MXG307X1	DV4W*165 NDPI	31-0CT-95	13-NOV-95	v	7	nor.	0.0
IN WATER BY	UMIB	12DPH	MDZW12X3	DV4W*450 NDHI	02-NOV-95	05-DBC-95	v	7	ner	0.0
IN WATER	UM18	12DPH	MXZW12X3		02-NOV-95	05-DBC-95	v	71	UGL	0.0
BNA'S IN WATER BY GC/MS	UM18	12DPH	WX5703XX	DV4W*202 NDWH	13-SEP-95	26-8BP-95	v	~	Ten	0.0

Chemical Quality Control Report Installation: Fort Devens, MA (DV) Group 2, 7 Sites

Method Description	IRDMIS Method Code	Test Name	IRDMIS Field Sample Number	Lab Number Lot	Sample Date	Analysis Date	v	Value	_	RPD
BNA'S IN WATER BY GC/MS	UM18	12DPH	WD5703XX	DV4W*432 WDWH	13-SRP-95	27-SRP-95		7	Ten .	0.0
BNA'S IN WATER BY GC/MS	UM18	13DCLB	MDAX03X1	DV4W*447 WDPI	31-0CT-95	13-NOV-95	v	1.7	UGE	0.0
Ø	UM18	13DCLB	MXAX03X1	DV4W*235 WDPI	31-0CT-95	13-NOV-95	v	1.7	ner	0.0
IN WATER BY	UM18	13DCLB	MXG3 07X1	DV4W*165 WDPI	31-0CT-95	13-NOV-95	•	1.7	ner	0.0
IN WATER BY	UM18	13DCI.B	MDG307X1	DV4W*448 NDFI	31-0CT-95	13-NOV-95	•	1.7	UGE	0.0
IN WATER BY	UM18	13DCLB	MX ZW12X3	DV4W*275 WDHI	02-NOV-95	05-DRC-95	v	1.7	ner	0.0
IN WATER BY	UM18	13DCLB	MDZW12X3	DV4W*450 WDHI	02-NOV-95	05-DBC-95	v	1.7	ner	0.0
IN WATER BY	UM18	13DCLB	WD5703XX	DV4W*432 WDWH	13-SRP-95	27-SBP-95	v	1.7	UGE	0.0
IN WATER BY	UM18	13DCLB	WX5703XX	DV4W*202 WDWH	13-SEP-95	26-BBP-95	v	1.7	UGIT	0.0
BUA'S IN WATER BY GC/MS	UM18	14DCLB	MDAX03X1	DV4W*447 WDPI	31-0CT-95	13-NOV-95	v	1.7	uer	0.0
IN WATER BY	UM18	14DCLB	MXAX03X1	DV4W*235 WDPI	31-0CT-95	13-NOV-95	•	1.7	UGE	0.0
IN WATER	UMIB	14DCLB	MDG307X1	DV4W*448 WDPI	31-0CT-95	13-NOV-95	v	1.1	CCL	0.0
IN WATER BY	UMIB	14DCLB	MXG307X1	DV4W*165 WDPI	31-0CT-95	13-NOV-95	v	1.7	ner	0.0
BNA'S IN WATER BY GC/MS	UM18	14DCLB	MDZW12X3	DV4W*450 WDHI	02-NOV-95	05-DEC-95	v	1.7	ner	0.0
WATER BY	UMIB	14DCLB	MXZW12X3	DV4W*275 WDHI	02-NOV-95	05-DEC-95	v	1.7	ner	0.0
BX	UM18	14DCLB	WX5703XX	DV4W*202 WDWH	13-SBP-95	26-SBP-95	v	1.7	7EN	0.0
BX	UM18	14DCLB	WD5703XX	DV4W*432 WDWH	13-SBP-95	27-SEP-95	V	1.7	ngr	0.0
BMAC TH WATER BY CC/MS	A LWLI	245TrD	MDAXOZXI	TOTAL TARMET	31-007-95	13-WW-9E	,	,	Irai.	6
IN WATER BY GO	UM18	245TCP	MXAX03X1		31-0CT-95	13-NOV-95	, v	2.5	195	0.0
IN WATER BY	UM18	245TCP	MXG3 07X1	DV4W*165 WDPI	31-0CT-95	13-NOV-95	•	5.2	UGE	0.0
IN WATER BY	UM18	245TCP	MDG307X1	DV4W*448 WDFI	31-0CT-95	13-NOV-95	v	5.2	ner	0.0
ΒX	UM18	245TCP	MXZW12X3	DV4W*275 WDHI	02-NOV-95	05-DBC-95	v	5.2	UGE	0.0
IN WATER BY	UM18	245TCP	MDZW12X3	DV4W*450 NDHI	02-NOV-95	05-DBC-95	v	5.2	ner	0.0
IN WATER BY	UM18	24STCP	WD5703XX	DV4W*432 WDWH	13-SEP-95	27-SBP-95	v	5.2	UGE	0.0
IN WATER BY	UM18	245TCP	WX5703XX	DV4W*202 WDWH	13-SEP-95	26-SBP-95	v	5.2	ner	0.0
BNA'S IN WATER BY GC/MS	UM18	246TCP	MDAX03X1	DV4W*447 WDFI	31-0CT-95	13-NOV-95	٧	4.2	ner	0.0
BNA'S IN WATER BY GC/MS	CM18	246TCP	MXAX03X1	DV4W*235 WDPI	31-0CT-95	13-NOV-95	v	4.2	nar	0.0
BNA'S IN NATER BY GC/MS	UM18	246TCP	MDG307X1	DV4W*448 WDFI	31-0CT-95	13-NOV-95	v	4.2	ner	0.0
BNA'S IN WATER BY GC/MS	UMTB	246TCP	MXG307X1	DV4W*165 WDFI	31-0CT-95	13-NOV-95	v	4.2	ngr	0.0

Chemical Quality Control Report Installation: Fort Devens, MA (DV) Group 2, 7 Sites

Chemical Quality Control Report Installation: Fort Devens, MA (DV) Group 2, 7 Sites

Method Description	IRDMIS Method Code	Test Namo	IRDMIS Field Sample Number	Lab Number Lot	Sample Date	Analysis Date	. •	Value	Unite	RPD
BNA'S IN WATER BY GC/MS	UM18	24DNT	MXAX03X1	DV4W*235 WDFI	31-0CT-95	13-NOV-95	•	4.5	ngr	0.0
IN WATER BY	UM18	24DNT	MDG307X1	DV4W*448 WDPI	31-0CT-95	13-NOV-95	v	4.5	COL	.0.0
BY G	UM18	24DNT	MXG307X1	DV4W*165 WDFI	31-0CT-95	13-NOV-95	v	4.5	CGL	0.0
WATER BY	UM18	24DNT	MDZW12X3	DV4W*450 WDHI	02-NOV-95	05-DEC-95	v	4.5	ngr	0.0
BNA'S IN WATER BY GC/MS	UM18	24DNT	MXZW12X3	DV4W+275 WDHI	02-NOV-95	05-DBC-95	v	4.5	ngr	0.0
IN WATER BY	UM18	24DNT	WX5703XX	DV4W*202 WDWH	13-SBP-95	26-SBP-95	v	4.5	OGE	0.0
BY	UM18	24DNT	WD5703XX	DV4W*432 WDWH	13-SRP-95	27-SEP-95	v	4.5	Ten	0.0
BNA'S IN WATER BY GC/MS	UM18	26DNT	MDAX03X1	DV4W*447 WDFI	31-0CT-95	13-NOV-95	v	.79	ner	0.0
IN WATER BY GO	UM18	26DNT	MXAX03X1	DV4W*235 WDFI	31-0CT-95	13-NOV-95	v	. 79	CGL	0.0
IN WAITER BY	UM18	26DNT	MDG307X1	DV4W*448 WDFI	31-0CT-95	13-NOV-95	v	.79	ngr	0.0
BX	UM18	26DNT	MXG307X1	DV4W*165 WDPI	31-0CT-95	13-NOV-95	v	.79	UGL	0.0
BMA'S IN WATER BY GC/MS	UM18	26DNT	MX ZW12X3	DV4W*275 WDHI	02-NOV-95	05-DBC-95	v	. 79	UGE	0.0
ΒX	CM18	26DNT	MDZW12X3	DV4W*450 WDHI	02-NOV-95	05-DBC-95	v	.79	CCL	0.0
IN WATER BY	UM18	26DNT	WD5703XX	DV4W*432 WDWH	13-SBP-95	27-SEP-95	v	. 79	UGE	0.0
BNA'S IN WATER BY GC/MS	UM18	26DNT	WX5703XX	DV4W*202 WDWH	13-SRP-95	26-SRP-95	v	.79	ner	0.0
BNA'S IN WATER BY GC/MS	UM18	2CLP	MDAX03X1	DV4W*447 WDFI	31-0CT-95	13-NOV-95	v	66.	ngr	0.0
WATER BY	UM18	2CLP	MXAX03X1	DV4W*235 WDFI	31-0CT-95	13-NOV-95		66.	ngr	0.0
IN WATER BY GO	UM18	2CLP	MXG3 07X1	DV4W*165 WDFI	31-0CT-95	13-NOV-95	v	.99	Ten	0.0
IN WATER BY	UM18	2CLP	MDG3 07X1	DV4W*448 MDPI	31-0CT-95	13-NOV-95	v	. 99	UGE	0.0
IN WATER BY	UM18	2CLP	MXZW12X3	DV4W*275 WDHI	02-NOV-95	05-DBC-95	v	.99	ner ner	0.0
IN WATER BY	UMIB	2CLP	MDZW12X3	DV4W*450 WDHI	02-NOV-95	05-DBC-95	v	66.	UGL	0.0
BNA'S IN WATER BY GC/MS	UM18	2CLP	WX5703XX	DV4W*202 WDWH	13-SRP-95	26-SBP-95	v	.99	UGE	0.0
IN WATER BY	CM18	2CLP	WD5703XX	DV4W*432 WDWH	13-SBP-95	27-SEP-95	v	.99	OGL	0.0
IN WATER BY	UM18	2 CNAP	MDAX03X1	DV4W*447 WDFI	31-0CT-95	13-NOV-95	v	ĸ	nar	0.0
BX	UM18	2CNAP	MXAX03X1	DV4W*235 WDFI	31-0CT-95	13-NOV-95	v	'n	UGL	0.0
IN WATER	UM18	2CNAP	MDG307X1	DV4W*448 WDFI	31-0CT-95	13-NOV-95	v	'n	Ten	0.0
IN WATER BY	UM18	2CNAP	MXG307X1	DV4W*165 WDPI	31-0CT-95	13-NOV-95	v	iq	UGT	0.0
IN WATER BY GC	UM18	2CNAP	MXZW12X3		02-NOV-95	05-DBC-95	v	'n	מפור	0.0
WATER BY GC	UM18	2CNAP	MDZW12X3		02-NOV-95	05-DBC-95	v	'n	OGF.	0.0
IN WATER BY	UM18	2CNAP	WD5703XX	DV4W*432 WDWH	13-8RP-95	27-88P-95	•	ĸ.	ner	0.0

Chemical Quality Control Report

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Fort Devens,	p 2, 7 Sites
Installation:	Grani

	•po	Name	Sample Number	Lab	lot.	Sample Date	Analysis Date	v .	Value	Value Units	RPD
ENA'S IN WATER BY GC/MS	UM18	2CNAP	WX5703XX	DV4W*202	MOM	13-SRP-95	26-SRP-95		v.	E E	0.0
BY GC	UMI	ZHINAP	MDAX03X1	DV4W*447	MDPI	31-0CT-95	13-NOV-95	v	1.7	nar	0.0
BY OC	CHIS	2 HINAP	MXAX03X1	DV4W*235	MDPI	31-OCT-95	13-NOV-95	v	1.7	מפני	0.0
BY OC	UMIR	2 MINAP	MXCD 07X1	DV4W*165	MDFI	31-OCT-95	13-NOV-95	•	1.7	nar	0.0
BY GC	CM18	2 MINAP	MDG307X1	DV4W*448	MDPI	31-OCT-95	13-NOV-95	v	1.7	CCL	0.0
BY GC	UMIB	2 MINAP	MDZW12X3	DV4W*450	MOHI	02-NOV-95	05-DBC-95	v	1.7	nor	0.0
WATER BY GC/MS	UMIE	2MNAP	MXZW12X3	DV4W*275	MOHI	02-NOV-95	05-DBC-95	~	1.7	ngr	0.0
WATER BY GC/MS	UM16	2 MINAP	WX5703XX	DV4W*202	HMCM	13-SRP-95	26-SEP-95	v	1.7	nar	0.0
WATER BY GC/MS	UM18	2 MINAP	WDS703XX	DV4W*432	MOM	13-SBP-95	27-SEP-95	v	1.7	nar	0.0
WATER BY CO./MS		o ac	WD8Y03Y1	TATAMA 2.2.7	1005	30 200	10 June 1	,	•		•
2		1 2	MANAGORE		100	31-001-33	13-100-53	,	n (3	9.0
3	915	787	MANA USAL	DV4W=235	MUF.	31-OCI-95	13-NOV-95	v	n.	780	0.0
8X 6C	CM18	2MP	MDG307X1	DV4W444B	MOPI	31-0CT-95	13-NOV-95	v	3.9	UGE	0.0
BY GC	CM18	2MP	MXG307X1	DV4W*165	MOPI	31-0CT-95	13-NOV-95	٧	3.9	OOL	0.0
BY GC	CM18	2MP	MXZW12X3	DV4M*275	MAI	02-NOV-95	05-DBC-95	v	3.9	nat	0.0
BY GC	UM16	2MP	MDZW12X3	DV4M*450	MOHI	02-NOV-95	05-DBC-95	v	3.9	Ten	0.0
BY GC	UM18	2MP	MD5703XX	DV4W*432	MONT	13-SRP-95	27-SBP-95	v	3.9	Ten	0.0
WATER BY GC/MS	UM18	2MP	WXS703XX	DV4W*202	MOM	13-SBP-95	26-SBP-95	v	3.9	nar	0.0
WATER BY CO'MS	-	2WAWTT.	TACOARCM	T. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.	100	20.00	10 June 1	,	•	į	•
2		THANK	TA COAVAN			100	10 1001	, .	, ,	3 !	9 (
1 2		DIAME.	TACODOTA	DV48*233	7 101	37-001-33	CK-AON-CT		? (3 !	0.0
		ZNAMIL	HY/OFFINAT	DV4H*165	MUKT	31-0CI-95	13-NOV-95	v	T.	700	0.0
SY SY	# E	ZNANIE	MDG307X1		MOFI	31-0CT-95	13-NOV-95	v	4.3	195	0.0
BY GC	UMIS	2 NANI L	MXZW12X3	DV4M*275	MOHI	02-NOV-95	05-DEC-95	v	4 .3	nor.	0.0
BY GC	UMIB	2 NANI L	MDZW12X3	DV4W*450	MOHI	02-NOV-95	05-DBC-95	v	4 .3	Ten	0.0
BY GC/	UM18	2 NANI L	MX5703XX	DV4W*202	FOR	13-SRP-95	26-SEP-95	v	4.3	OGE	0.0
WATER BY GC/MS	UMIS	2NANIL	WD5703XX	DV4W*432	MDWH	13-SEP-95	27-SEP-95	v	4.3	UGE	0.0
WATTER BY CL/MS	2 136.1	ONC.	MTDX COX 4.1	1000 1770 1000	1903	21-00-10	13.10707.00	,	,	į	•
21/20			1000000			CC-170-15	EC-ACM-ST	,		3	
WATER BY GC/MS		2NP	MXAX03X1		MOFI	31-0CT-95	13-NOV-95	v	3.7	ngr Cer	0.0
TER BY GC/MS	CM18	2NP	MDG307X1	DV4W*448	FOFI	31-0CT-95	13-NOV-95	٧	3.7	ger	0.0
DAY OF AB											

Chemical Quality Control Report Installation: Fort Devens, HA (DV) Group 2, 7 Sites

Chemical Quality Control Report Installation: Fort Devens, MA (DV) Group 2, 7 Sites

Method Description	IRDMIS Method Code	Test Name	IRDMIS Field Sample Number	Lab Number	Iot	Sample Date	Analysis Date	· •	Value	Value Units	03
BNA'S IN WATER BY GC/MS	UM18	4BRPPB	MXAX03X1	DV4W*235	MOFI	31-0CT-95	13-NOV-95		4.2	uer	0.0
IN WATER BY	UM18	4BRPPB	MDG307X1	DV4W*448	MDFI	31-0CT-95	13-NOV-95	v	4.2	UGE	0.0
	UM18	4BRPPB	MXG307X1	DV4W*165	MOPI	31-0CT-95	13-NOV-95	•	4.2	UGE	0.0
IN WATER BY	UM18	4BRPP8	MX ZW12X3	DV4W*275	MOHI	02-NOV-95	05-DEC-95	v	4.2	nar	0.0
IN NATER BY	UM18	4BRPP8	MDZW12X3	DV4W*450	MOHI	02-NOV-95	05-DBC-95	v	4.2	ner	0.0
IN WATER BY	UM18	4BRPPB	WD5703XX	DV4W*432	MOM	13-SRP-95	27-SBP-95	v	4.2	ner	0.0
BNA'S IN WATER BY GC/MS	UM18	4BRPPB	WK5703XX	DV4W*202	HMQM	13-SBP-95	26-SBP-95	v	4.2	UGE	0.0
BNA'S IN WATER BY GC/MS	UM18	4CANIL	MDAX03X1	DV4W*447	MOPI	31 -OCT-95	13-NOV-95	٧	7.3	į	6
IN MATER BY	UM18	4CANIL	PCAX03X1	DV4W*235	MOPI	31-0CT-95	13-NOV-95	۰ ۷	7.3	CGE	0.0
BNA'S IN WATER BY GC/MS	UM18	4CANIL	MXG307X1	DV4W*165	MDPI	31-0CT-95	13-NOV-95	v	7.3	COL	0.0
IN WATER BY	UM16	4CANIL	MDG307X1	DV4W*448	MOPI	31-0CT-95	13-NOV-95	v	7.3	COL	0.0
IN WATER BY	UM18	4CANIL	MDZW12X3	DV4W*450	MOH	02-NOV-95	05-DEC-95	v	7.3	760	0.0
IN NATER BY G	UM18	4CANIL	HXZW12X3	DV4W*275	MOHI	02-NOV-95	05-DEC-95	•	7.3	TEN.	0.0
IN NATER BY G	UM18	4CANIL	WX5703XX		NO.	13-SBP-95	26-SBP-95	v	7.3	7EO	0.0
BNA'S IN WATER BY GC/MS	CM18	4CANIL	WD5703XX	DV4W*432	MOM	13-SBP-95	27-SBP-95	v	7.3	UGE	0.0
,		į							•	į	
IN WALKK BI	E I	2	MUNKUSKI	144.MAAA	T T	31-0CI-95	13-NOV-85	v	•	790	0.0
IN WATER BY	UM18	fol 3c	HXXX03X1		MOPI	31-0CT-95	13-NOV-95	v	~	nar nar	0.0
IN WATER BY	UM18	4 CL3C	MDG3 07X1		MOPI	31-0CT-95	13-NOV-95	v	•	790	0.0
IN WATER BY	UM18	4 ctac	MXG3 07X1		MOPI	31-0CT-95	13-NOV-95	v	•	ner	0.0
IN WATER BY	UM18	4 ct.3c	MXZW12X3		MOHI	02-NOV-95	05-DBC-95	v	•	CGT	0.0
IN WATER BY	UM18	4ctac	MDZW12X3		MOHI	02-NOV-95	05-DBC-95	v	•	ner	0.0
IN MATER BY G	UM18	4ctr3c	WD5703XX		MOM	13-SEP-95	27-58P-95	v	•	ner	0.0
BNA'S IN WATER BY GC/MS	UM18	4 ct3c	WX5703XX	DV4W*202	MOM	13-SRP-95	26-SRP-95	v	•	USE	0.0
BNA'S IN WATER BY GC/MS	UM18	4CLPP8	MDAX03X1	DV4W*447	IdQM	31-0CT-95	13-NOV-95	٧	5.1	ner	0.0
IN WATER BY	UM18	4CLPPE	HXXXX03X1	DV4W*235	IdOM	31-0CT-95	13-NOV-95	v	5.1	ner	0.0
IN WATER	UM18	4CLPPB	HXG3 07X1	DV4W*165	MOFI	31-0CT-95	13-NOV-95	v	5.1	nar	0.0
IN WATER BY	UM18	4CLPPB	MDG307X1		MOPI	31-0CT-95	13-NOV-95	v	5.1	Ten	0.0
IN WATER BY	UM18	4CLPPB	MDZW12X3		MOHI	02-NOV-95	05-DBC-95	v	5.1	nar	0.0
IN WATER BY G	UM18	4CLPPR	MXZW12X3		MOHI	02-NOV-95	05-DBC-95	v	5.1	ner	0.0
BNA'S IN WATER BY GC/MS	UM18	4ct.PPB	WX5703XX	DV4W*202	MOM	13-SBP-95	26-SBP-95	v	5.1	ner	0.0
								,			

Chemical Quality Control Report Installation: Fort Devens, MA (DV) Group 2, 7 Sites

RPD	. 0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Value Units	ngr ngr	Ten	USI	CGE	UGE	ner	UGE	UGE	UGE	UGI	UGE	UGL	UGE	COL	UGE	nar	ngr	ngr	OGE	UGE	UGE	ner	UGE	UGE	ngr	UGE	ner	ner	CCL
Value	5.1	. 52	. 52	. 52	.52	. 52	. 52	. 52	. 52	5	5.2	5.2	5.2	5.2	5.2	5.2	5.2	12	12	12	12	12	12	12	12	•	4	•	•
v	V	v	v	v	v	v	v	v	v	٧	٧	v	v	v	•	v	v	v	v	٧	v	v	•	v	٧	٧	v	v	v
Analysis Date	27-SBP-95	13-NOV-95	13-NOV-95	13-NOV-95	13-NOV-95	05-DEC-95	05-DBC-95	27-SRP-95	26-SEP-95	13-NOV-95	13-NOV-95	13-NOV-95	13-NOV-95	05-DBC-95	05-DBC-95	26-SRP-95	27-SRP-95	13-NOV-95	13-NOV-95	13-NOV-95	13-NOV-95	05-DBC-95	05-DBC-95	27-S8P-95	26-SEP-95	13-NOV-95	13-NOV-95	13-NOV-95	13-NOV-95
Sample Date	13-SRP-95	31-0CT-95	31-0CT-95	31-0CT-95	31-0CT-95	02-NOV-95	02-NOV-95	13-SBP-95	13-SBP-95	31-0CT-95	31-0CT-95	31-0CT-95	31-0CT-95	02-NOV-95	02-NOV-95	13-SRP-95	13-SRP-95	31-0CT-95	31-0CT-95	31-0CT-95	31-0CT-95	02-NOV-95	02-NOV-95	13-SEP-95	13-88P-95	31-0CT-95	31-0CT-95	31-0CT-95	31-0CT-95
5 5	2 WDWH	17 WDPI	IS WDPI	IS WDFI	SS WDPI	15 WDHI	IHOM 09	12 WDWH	2 WDWH	17 WDFI	IZ WDPI	S WDFI	18 WDFI	IHOM 0	75 WDHI	2 WORT	12 NOWH	17 WDFI	S WDFI	I MOPI	S WDPI	IHOM 0	'S WOHI	2 WDWH	2 WDWH	17 WOFI	IS WDFI	S WDPI	8 WDFI
Lab Munber	DV4W+432	DV4W*447	DV4W*235	DV4W*448	DV4W*165	DV4W*275	DV4W*450	DV4W*432	DV4W*202	DV4W*447	DV4W*235	DV4W*165	DV4W*448	DV4W*450	DV4W*275	DV4W*202	DV4W*432	DV4W*447	DV4N*235	DV4W*448	DV4W*165	DV4W*450	DV4W*275	DV4W*432	DV4W*202	DV4N*447	DV4W*235	DV4W*165	DV4W*448
IRDMIS Field Sample Number	WD5703XX	MDAX03X1	MXAX03X1	MDG307X1	MXG307X1	MX ZW12X3	MDZW12X3	WD5703XX	WX5703XX	MDAX03X1	MXAX03X1	MXG307X1	MDG307X1	MDZW12X3	MX ZW12X3	WX5703XX	WD5703XX	MDAX03X1	MXAX03X1	MDG307X1	MXG3 0 7X1	MDZW12X3	MX ZW12X3	WD5703XX	WX5703XX	MDAX03X1	MXAX03X1	MXG307X1	MDG3 07X1
Test	4CLPPB	4MP	4MP	4MP	4MP	4MP	4MP	4MP	4MP	4NANIL	4NANIL	4NANIL	4NANIL	4NANIL	4NANIE	4NANIL	4NANIE	4NP	4NP	4NP	4NP	4NP	4NP	4NP	4NÞ	ABHC	ABHC	ABHC	ABHC
IRDMIS Method Code	UM18	UM18	UM18	UM18	UMIB	UM18	UM18	UM18	UM18	UM18	UM18	UM18	CM18	UMIB	UMIB	UM18	UM18	UM18	UM18	UMIB	UMIB	CM18	UM18	OM18	UM18	UM18	·UM18	UMIB	UM18
Method Description	BNA'S IN WATER BY GC/MS	BNA'S IN WAITER BY GC/MS	BNA'S IN WATER BY GC/MS	BY	IN WATER BY	WATER BY	IN WATER BY	IN WATER BY	BNA'S IN WATER BY GC/MS	BNA'S IN WATER BY GC/MS	IN WATER BY	BNA'S IN WATER BY GC/MS	IN NATER BY	BNA'S IN WATER BY GC/MS	BNA'S IN WATER BY GC/MS	BNA'S IN WATER BY GC/MS	BNA'S IN WATER BY GC/MS	BNA'S IN WAITER BY GC/MS	IN WATER BY G	IN WATER BY	BNA'S IN WATER BY GC/MS	BNA'S IN WATER BY GC/MS	BNA'S IN WATER BY GC/MS	IN WATER BY	BNA'S IN WATER BY GC/MS	BNA'S IN WATER BY GC/MS	BNA'S IN WATER BY GC/MS	WATER BY	BNA'S IN WATER BY GC/MS

Chemical Quality Control Report Installation: Fort Devens, MA (DV) Group 2, 7 Sites

	IRDMIS		IRDNIS Pield	1						
	Method	Test	Sample		Sample	Analysis				
Method Description	Code	Name	Number	Number Lot	Date	Date	v :	Value	Unite	RPD
BNA'S IN WATER BY GC/MS	UM18	ABHC	MDZW12X3	0	02-NOV-95	05-DBC-95	v	-	ner	0.0
BNA'S IN WATER BY GC/MS	UMIR	ABHC	MXZW12X3	DV4W*275 WDHI	02-NOV-95	05-DBC-95	v	•	UGE	0.0
BNA'S IN WATER BY GC/MS	CM18	ABHC	WX5703XX	DV4W*202 NDWH	13-38P-95	26-SEP-95	v	*	ner	0.0
BNA'S IN WATER BY GC/MS	UM18	ABHC	WD5703XX	DV4W*432 WDWH	13-SEP-95	27-3RP-95	v	•	nar	0.0
BNA'S IN WATER BY GC/MS	UM18	ACLDAN	MDAX03X1	DV4W*447 WDFI	31-0CT-95	13-NOV-95	v	5.1	UGE	0.0
BNA'S IN WATER BY GC/MS	UM18	ACLDAN	MXAX03X1	DV4W*235 WDFI	31-0CT-95	13-NOV-95	v	5.1	UGE	0.0
WATER BY	UM18	ACLDAN	MXG307X1	DV4W*165 WDFI	31-0CT-95	13-NOV-95	v	5.1	CGL	0.0
WATER BY	CM18	ACLDAN	MDG307X1	DV4W*448 WDPI	31-0CT-95	13-NOV-95	v	5.1	COL	0.0
IN WATER BY	UM18	ACLDAN	MDZW12X3	DV4W*450 WDHI	02-NOV-95	05-DRC-95	v	5.1	UGE	0.0
IN WATER BY	UMTB	ACLDAN	MXZW12X3	DV4W*275 WDHI	02-NOV-95	05-DBC-95	v	5.1	USE	0.0
IN WATER	UM18	ACLDAN	WX5703XX	DV4W*202 WDWH	13-SEP-95	26-SBP-95	v	5.1	700	0.0
BNA'S IN WATER BY GC/MS	CM18	ACLDAN	WD5703XX	DV4W*432 WDWH	13-SBP-95	27-SBP-95	v	5.1	UGE	0.0
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IN WATER BY		ARNSEL	MDAX03X1		31-0CI-95	13-NOV-95	v .	9.5	ngr Car	0.
IN WATER BY	UM18	ARNSLP	MXAX03X1	_	31-0CT-95	13-NOV-95	v	9.7	UGE	0.0
IN WATER BY	UM18	AENSILP	MXG307X1	-	31-0CT-95	13-NOV-95	v	9.5	ngr n	0.0
IN WATER BY	UMIB	ARNSLP	MDG307X1	DV4W*448 WDFI	31-0CT-95	13-NOV-95	v	9.5	UGE	0.0
IN WATER	UNIB	ARNSLP	MDZW12X3	DV4W*450 WDHI	02-NOV-95	05-DBC-95	•	9.5	nat,	0.0
IN WATER BY	UMIB	ARNSLP	MXZW12X3	DV4W*275 WDHI	02-NOV-95	05-DBC-95	•	9.5	UGE	0.0
IN WATER BY	UM18	ARNSLP	WX5703XX	DV4W*202 WDWH	13-8RP-95	26-SEP-95	•	9.5	UGE	0.0
BNA'S IN WATER BY GC/MS	UM18	ARNSILP	WD5703XX	DV4W*432 WDWH	13-8RP-95	27-SBP-95	v	9.5	UGE	0.0
BNA'S IN WATER BY GC/MS	UM18	ALDRN	MDAX03X1	DV4W*447 WDFI	31-0CT-95	13-NOV-95	v	4.7	ngr	0.0
BNA'S IN WATER BY GC/MS	UM18	ALDRN	MXAX03X1	DV4W*235 WDPI	31-0CT-95	13-NOV-95	:	4.7	UGF	0.0
BNA'S IN WATER BY GC/MS	UM18	ALDRN	MDG307X1	DV4W*448 WDPI	31-0CT-95	13-NOV-95	•	4.7	UGE	0.0
WATER BY	UM18	ALDRN	MXG307X1	DV4W*165 WDPI	31-0CT-95	13-NOV-95	v	4.7	UGE	0.0
WATER BY	UMIB	ALDRN	MDZW12X3	DV4M*450 WDHI	02-NOV-95	05-DBC-95	v	4.7	ngr	0.0
IN WATER BY	UM18	ALDRN	MXZW12X3	DV4W*275 WDHI	02-NOV-95	05-DBC-95	v	4.7	UGE	0.0
NATER BY	UM18	ALDRN	WX5703XX	DV4W*202 WDWH	13-SBP-95	26-SEP-95	v	4.7	ner	0.0
BNA'S IN NATER BY GC/MS	UM18	ALDRN	WD5703XX	DV4W*432 WDWH	13-8BP-95	27-SBP-95	v	4.7	7gn	0.0
BWA'S IN WATER BY GC/MS	0818	ANAPNE	MDAX03X1	DV4W*447 MDFI	31-0CT-95	13-VW-95	,	1.7	III.	c
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Chemical Quality Control Report Installation: Fort Devens, MA (DV) Group 2, 7 Sites

:	IRDMIS	1 ⊕8 ·	IRDMIS Pield Sample		Sample	Analysis		•	:	
Method Description	9 000	Name	Number	Number Lot	Date	Date	V 1	Value	Unite	RPD
IN WATER BY	UM18	ANAPNE	MXAX03X1	-	31-0CT-95	13-NOV-95	v	1.7	UGE	0.0
IN WATER BY	UM18	ANAPNB	MXG307X1	DV4W*165 WDFI	31-0CT-95	13-NOV-95	v	1.7	UGE	0.0
BX	UM18	ANAPNB	MDG307X1	DV4W*448 WDFI	31-0CI-95	13-NOV-95	v	1.7	OGL	0.0
WATER BY	UM18	ANAPNB	MDZW12X3	DV4W*450 WDHI	02-NOV-95	05-DBC-95	٧	1.7	ngr	0.0
BX	UM18	ANAPNE	MXZW12X3	DV4W*275 WDHI	02-NOV-95	05-DBC-95	v	1.7	OGE	0.0
IN WATER BY	UM18	ANAPNE	WX5703XX	DV4W*202 WDWH	13-SRP-95	26-SRP-95	v	1.7	7en	0.0
IN WATER	UM18	ANAPNB	WD5703XX	DV4W*432 WDWH	13-SRP-95	27-SRP-95	v	1.7	nar	0.0
PH/20 VR GETAN NI PIRM	2 TW1	ANA DVT.	MDAY03X1	THUM CASHWAYN	31-0CT-95	12-MW-95		u	. Land	c
TN WATER BY	TMIR	ANADYT	MXAXOXXI	TWAW 2235 WIDE	31-0-15	12-NOV-95	′ \	ď	in i	
IN WATER	UM18	ANAPYL	MDG307X1	DV4W*448 WDPI	31-0CT-95	13-NOV-95	, v			0
IN WATER BY	UM18	ANAFYL	MXG307X1		31-0CT-95	13-NOV-95		'n	DOL	0.0
IN WATER BY	UM18	ANAPYL	MXZW12X3		02-NOV-95	05-DBC-95	· v	'n	ner	0.0
IN WATER BY	UM18	ANAPYL	MDZW12X3	IHCM 054*WFAG	02-NOV-95	05-DBC-95	v	ĸ.	ngr	0.0
IN WATER BY	UM18	ANAPYL	WD5703XX	DV4W*432 WDWH	13-SRP-95	27-SBP-95	v	'n	UGE	0.0
IN WATER BY	UM18	ANAPYL	WX5703XX	DV4W*202 WDWH	13-SEP-95	26-SBP-95	v	ĸ.	ngr	0.0
						٠				
IN WATER	UM18	ANTRC	MDAX03X1			13-NOV-95	•	ĸ.	ngr	0.0
WATER BY	UM18	ANTRC	MXAX03X1		31-0CT-95	13-NOV-95	v	'n	nor	0.0
IN WATER BY	UM18	ANTRC	MXG307X1	DV4W*165 WDPI	31-0CT-95	13-NOV-95	•	'n	UGE	0.0
IN WATER BY	UM18	ANTRC	MDG307X1	DV4W*448 WDFI	31-0CT-95	13-NOV-95	•	'n	UGL	0.0
IN WATER BY	UMIB	ANTRC	MDZW12X3	DV4W*450 WDHI	. 02-NOV-95	05-DBC-95	•	'n	nar	0.0
IN WATER BY	CM18	ANTRC	MXZW12X3	DV4W*275 WDHI	02-NOV-95	05-DBC-95	v	ŢŲ.	UGI	0.0
WATER BY	UMIB	ANTRC	WX5703XX	DV4W*202 WDWH	13-SEP-95	26-SEP-95	v	ĸ.	OGL	0.0
IN WATER BY	UM18	ANTRC	WD5703XCK	DV4W*432 WDWH	13-SEP-95	27-SBP-95	v	ĸ	ngr Ogr	0.0
AG GERMAN INA		2000	FACOARCIA			20.00	,		į	•
THE MALLAN DI		DACEALE DACEALE	TYCOVE		21-0-TE	T3-WA-23	v		7	
IN WATER BY GO	CM18	B2CEXM	MXAX03X1		31-0CT-95	13-NOV-95	v		COL	0.0
IN WATER BY GO	CM18	B2CEXM	MDG307X1	DV4W*448 WDFI	31-OCT-95	13-NOV-95	•	1.5	OGL	0.0
IN WATER BY GO	UM18	BZCEKM	MXG307X1	DV4W*165 WDPI	31-0CT-95	13-NOV-95	٧	1.5	ner	0.0
IN WATER BY	UM18	B2CEXON	MXZM12X3	DV4W*275 WDHI	02-NOV-95	05-DEC-95	v	1.5	UGE	0.0
BNA'S IN WATER BY GC/MS	UM18	B2CEXIM	MDZW12X3	DV4W*450 WDHI	02-NOV-95	05-DEC-95	v	1.5	ngr n	0.0
IN WATER BY	UM18	BZCKXM	WX5703XX	DV4W*202 WDWH	13-SEP-95	26-SBP-95	V	1.5	ner	0.0

Chemical Quality Control Report Installation: Port Devens, MA (DV) Group 2, 7 Sites

Hethod Description	IRDMIS Method Code	Nest Nest	IRDMIS Pield Sample Number		ro E	Sample Date	Analysis Date	v	Value	Unite	RPO
BNA'S IN WATER BY GC/MS	CM18	В2СЕХИ	WD5703XX	DV4W*432 WDWH	HMQM	13-SBP-95	27-SBP-95		1.5	CGL	0.0
IN WATER	UM18	B2CIPB	MDAX03X1		MOFI	31-OCT-95	13-NOV-95	v	5.3	TEO	0.0
IN WATER BY	UHIB	B2CIPB	HXXX03X1	DV4W*235	WDFI	31-0CT-95	13-NOV-95	v	5.3	ugt	0.0
IN WATER	CMIR	BZCIPB	MXG307X1	DV4W*165	MOPI	31-0CT-95	13-NOV-95	v	5.3	CGL	0.0
IN WATER BY	CMIE	B2CIPE	MDG307X1	DV4W*448	WDPI	31-0CT-95	13-NOV-95	v	5.3	OGE	0.0
IN WATER BY	UM18	B2CIPB	MXZW12X3	DV4W*275	MOHI	02-NOV-95	05-DBC-95	v	5.3	ner	0.0
IN WATER BY GO	UMIS	B2CIPB	MDZW12X3	DV4W*450	MOHI	02-NOV-95	05-DBC-95	v	5.3	. Ten	0.0
IN WATER BY GC	UM18	BICIPE	WD5703XX		MDMH	13-SEP-95	27-S8P-95	v	5.3	ngr	0.0
BNA'S IN WATER BY GC/MS	UM18	B2CIPE	WX5703XX	DV4M*202	MIDWH	13-SRP-95	26-SEP-95	•	5.3	COL	0.0
BNA'S IN WATER BY GC/MS	UM18	B2CLBB	MDAX03X1	DV4W*447	WDPI	31-0CT-95	13-NOV-95	•	0	DEST.	o c
IN WATER BY	UM16	B2CLBB	MXAX03X1		Idom	31-0CT-95	13-NOV-95		1.9	UGI	0.
IN WATER BY	UMIR	B2CLBB	MDG307X1	DV4W*448	WDFI	31-OCT-95	13-NOV-95	v	1.9	ner	0.0
IN WATER BY	UM18	B2CLBB	MXG307X1	DV4W*165	MOPI	31-0CT-95	13-NOV-95	v	1.9	OGE	0.0
IN WATER BY	UMIB	B2CLBB	MDZW12X3		MOHI	02-NOV-95	05-DBC-95	v	1.9	ngr	0.0
IN WATER BY	UM18	B2CLEB	MXZW12X3	DV4W*275	WOHI	02-NOV-95	05-DEC-95	v	1.9	USI	0.0
IN WATER BY GC	CM18	B2CLBB	WX5703XX		HACK	13-SEP-95	26-SBP-95	v	1.9	ngr	0.0
BNA'S IN WATER BY GC/MS	UM18	B2CLER	WD5703XX	DV4W*432	MDWH	13-SEP-95	27-SRP-95	v	1.9	ner	0.0
BNA'S IN WATER BY GC/MS	UMUS	BZKHP	MDAX03X1	DV4W*447	MDPI	31-007-95	13-WW-95	,	4	121	
IN WATER BY GC	UM18	B2RHP	MXAX03X1		MOPI	31-0CT-95	13-NOV-95	•	5.5	Ten	9
IN WATER BY	UM18	B2EHP	MXG307X1	DV4W*165	MOPI	31-0CT-95	13-NOV-95	v	4.8	UGE	0.0
IN WATER BY	UM18	B2RHP	MDG307X1		MOPI	31-0CT-95	13-NOV-95	v	4.	ner	0.0
IN WATER BY	UM18	ВЗВНР	MXZW12X3	DV4W*275	MOHI	02-NOV-95	05-DBC-95	•	4.8	UGE	0.0
IN WATER BY GO	UM18	BZEHP	MDZW12X3		MOHI	02-NOV-95	05-DBC-95	v	.	ner	0.0
IN WATER BY GC	CMIR	BZKHP	WD5703XX		HACK	13-SEP-95	27-SRP-95	v	4.8	ner	0.0
BNA'S IN WATER BY GC/MS	UMIR	ВЗКИР	WX5703XX	DV4W*202	HMOM	13-SEP-95	26-SRP-95	v	4.8	ngr	0.0
IN WATER	UM18	BAANTR	MDAX03X1	DV4W*447	MOFI	31-OCT-95	13-NOV-95	v	1.6	ugr	0.0
IN WATER	UM18	BAANTR	MXAX03X1		IACM	31-0CT-95	13-NOV-95	v	1.6	ner	0.0
IN NATER BY GO	UM18	BAANTR	MDG307X1		MOFI	31-0CT-95	13-NOV-95	v	1.6	ner	0.0
BNA'S IN WATER BY GC/MS	UMIB	BAANTR	MXG307X1	DV4W*165 1	MOPI	31-0CI-95	13-NOV-95	v	1.6	ner	0.0

Chemical Quality Control Report Installation: Fort Devens, MA (DV) Group 2, 7 Sites

Method Description		IRDMIS Method Code	Test Name	IRLMIS Field Sample Number	Lab Number Lot	Sample Date	Analysis Date	V	Value	Value Units	RPD
BNA'S IN WATER BY GC/MS	/MS	ÚM18	BAANTR	MXZW12X3	DV4W*275 WDHI	02-NOV-95	05-DRC-95	v	1.6	UGE	0.0
BNA'S IN WATER BY GC/MS	/MS	UM18	BAANTR	MDZW12X3	DV4W*450 WDHI	02-NOV-95	05-DBC-95	v	1.6	ner	0.0
IN WATER BY	/MS	UM18	BAANTR	WX5703XX	DV4W*202 WDWH	13-SRP-95	26-SEP-95	v	1.6	ngr M	0.0
BNA'S IN WATER BY GC/MS	/MS	UM18	BAANTR	WD5703XX	DV4W*432 WDWH	13-SBP-95	27-SBP-95	v	1.6	UGE	0.0
BNA'S IN WATER BY GC	GC/MS	UM18	BAPYR	MDAX03X1	DV4W*447 WDFI	31-0CT-95	13-NOV-95	v	4.7	720	0.0
IN WATER BY	/MS	UM18	BAPYR	MXAX03X1	DV4W*235 WDPI	31-0CT-95	13-NOV-95	v	4.7	ngr	0.0
WATER BY	/MS	UM18	BAPYR	MXG307X1	DV4W*165 WDPI	31-0CT-95	13-NOV-95	v	4.7	nar.	0.0
IN WATER BY	/M3	UM18	BAPYR	MDG307X1	DV4W*448 WDFI	31-0CT-95	13-NOV-95	v	4.7	ngr n	0.0
BNA'S IN WATER BY GC/MS	/MS	UMIS	BAPYR	MXZW12X3	DV4W*275 WDHI	02-NOV-95	05-DBC-95	v	4.7	Ten	0.0
BNA'S IN WATER BY GC/MS	/MS	UMIB	BAPYR	MDZW12X3	DV4W*450 WDHI	02-NOV-95	05-DBC-95	٧	4.7	OGE	0.0
BNA'S IN WATER BY GC/MS	/MS	UM18	BAPYR	WD5703XX	DV4W*432 WDWH	13-SEP-95	27-88P-95	v	4.7	Ten	0.0
IN NATER BY	/MS	J#18	BAPYR	WX5703XX	DV4W*202 WDWH	13-88P-95	26-SBP-95	•	4.7	nar	0.0
IN WATER BY	/MS	UMIS	BBFANT	MDAX03X1		31-0CT-95	13-NOV-95	v	5.4	COL	0.0
BY	/MS	M18	BBFANT	MCAX03X1	DV4W*235 WDPI	31-0CT-95	13-NOV-95	v	5.4	UGE	0.0
BY	/M3	OM18	BBPANT	MDG307X1	DV4W*448 WDFI	31-0CT-95	13-NOV-95	v	5.4	ngr	0.0
BNA'S IN WATER BY GC/MS	/MS	CM18	BBFANT	MXG3 07X1	DV4W*165 WDPI	31-0CT-95	13-NOV-95	v	5.4	COL	0.0
BNA'S IN WATER BY GC/MS	/MS	UM18	BBFANT	MDZW12X3	DV4W*450 WDHI	02-NOV-95	05-DRC-95	v	5.4	UGE	0.0
BNA'S IN WATER BY GC/MS	/M3	UMIB	BBFANT	MXZW12X3	DV4W*275 WDHI	02-NOV-95	05-DRC-95	v	5.4	nar	0.0
BNA'S IN WATER BY GC/MS	/HS	UM18	BBFANT	WX5703XX	DV4W*202 WDWH	13-SBP-95	26-SBP-95	v	5.4	ner	0.0
BNA'S IN NATER BY GC/MS	MS/	OM18	BBFANT	WD5703XX	DV4W*432 NDWH	13-SRP-95	27-8RP-95	v	5.4	ner	0.0
BNA'S IN WATER BY GC/MS	, WS	UM18	ВВИС	MDAX03X1	DV4W*447 WDFI	31-0CT-95	13-NOV-95	v	4	TOD	0.0
BNA'S IN WATER BY GC/MS	- SW/	UM16	BBHC	MXAX03X1	DV4W*235 WDFI	31-0CT-95	13-NOV-95	v	*	Ten	0.0
IN WAITER BY	/MS	UMIB	BBHC	NDG307X1	DV4W*448 WDFI	31-0CT-95	13-NOV-95	v	4	nar nar	0.0
IN WATER BY		UMIB	BBHC	MXG307X1	DV4W*165 WDPI	31-0CT-95	13-NOV-95	v	•	790	0.0
BNA'S IN WATER BY GC/		UM18	BBHC	MDZW12X3	DV4W*450 WDHI	02-NOV-95	0S-DBC-95	v	4	790	0.0
IN WATER BY		CM18	BBHC.	MX ZW12X3	DV4W*275 WDHI	02-NOV-95	05-DEC-95	-v	•	ner	0.0
BNA'S IN WATER BY GC/		UM18	BBHC	WX5703XX	DV4W*202 WDWH	13-SEP-95	26-SBP-95	v	•	nar	0.0
BNA'S IN WATER BY GC/MS	 E.W.	UM18	BBHC	WD5703XX	DV4W*432 WDWH	13-SRP-95	27-SRP-95	· v	•	ner	0.0
BNA'S IN WATER BY GC/MS		UM18	BBZP	MDAX03X1	DV4W*447 WDPI	31-0CT-95	13-NOV-95	v	3.4	7gg	0.0

Chemical Quality Control Report Installation: Fort Devens, HA (DV) Group 2, 7 Sites

	IRDMIS		IRDMIS Field	•							٠
	Method	Test	Sample	व		Sample	Analysis				
Method Description	Code	Name	Number	Mmber	lot	Date	Date	v	Value	unite	RPO
NATER BY	UM18	BBZP	MXAX03X1	Į,	MOPI	31-0CT-95	13-NOV-95		3.4	ngr.	0.0
Z	UM18	BBZP	MXG307X1	DV4W*165 W	MOPI	31-0CT-95	13-NOV-95	v	3.4	ngr .	0.0
IN WATER BY	UMIB	BB Z P	MDG307X1	DV4W*448 N	MOFI	31-0CT-95	13-NOV-95	v	3.4	UGE	0.0
IN WATER BY	UM18	BBZP	MXZW12X3	DV4N*275 W	IHOM	02-NOV-95	05-DBC-95	v	3.4	COL	0.0
IN WATER BY	UM18	4288	MDZW12X3	DV4N*450 N	MOHI	02-NOV-95	05-DBC-95	v	3.4	USE	0.0
IN WATER BY	UM18	BBZP	WD5703XX	DV4N*432 N	MOM	13-SRP-95	27-SBP-95	v	3.4	מפור	0.0
IN WATER BY	UMIE	BBZP	WX5703XX	DV4W*202 W	MOMH	13-SBP-95	26-SEP-95	•	3.4	ngr	0.0
TN WATER RY		a Tenda	MDAY03Y1	TWAW+447 %	100	31-00-16	13.1876.05	,	•	į	
TW WATER BY		D TOTAL OF	MANAGORE			34-004-35	13-100-51	, ,	, i	3 !	
TU WAIBK DI	5	BENSTA	MANUSAL		Z.	31-0CL-95	13-NOV-95	v	9.5	190	0.0
IN MATER BY		BENSEA	MDG307X1		IJOM	31-0CT-95	13-NOV-95	v	9.5	מפנ	0.0
IN WATER BY	CM18	BENSIA	MXG307X1	DV4W*165 N	MOPI	31-0CT-95	13-NOV-95	v	9.5	UGE	0.0
IN WATER BY	CMIS	BENSLP	MDZW12X3	DV4W*450 W	WOHI	02-NOV-95	05-DBC-95	v	9.5	TEXT	0.0
IN WATER BY	UM18	BENSLP	HXZW12X3	DV4W*275 W	MOHI	02-NOV-95	05-DEC-95	v	9.5	COL	0.0
BNA'S IN WATER BY GC/MS	UMIS	BENSLP	WX5703XX	DV4W*202 K	MOM	13-SRP-95	26-SRP-95	v	9.3	UGE	0.0
IN WATER BY	UMIB	BENSIA	WD5703XX	DV4W*432 N	MOM	13-38P-95	27-SBP-95	v	9.5	ner	0.0
IN MATER BY GO	UM18	BENZID	MDAX03X1		MOPI	31-0CT-95	13-NOV-95	v	10	COL	0.0
WATER BY GO	UM18	BENZID	MXAX03X1		MOPI	31-0CT-95	13-NOV-95	v	10	מפנ	0.0
IN WATER BY CK	UM18	QIZNES	MXG3 0 7 X 1	DV4M*165 W	WDPI	31-0CT-95	13-NOV-95	v	10	UGE	0.0
IN WATER BY GO	UM18	BENZID	MDG307X1		MOPI	31-0CT-95	13-NOV-95	v	10	UGE	0.0
IN WATER BY GO	UM18	DENZID	MXZW12X3	DV4W*275 N	HOH	02-NOV-95	05-DBC-95	v	10	ust	0.0
IN NATER BY GO	UM18	BENZID	MD2W12X3		MOHI	02-NOV-95	05-DRC-95	v	10	nar Mar	0.0
IN MATER BY GC	UM16	BENZID	WD5703XX	DV4W*432 N	FOR	13-SEP-95	27-SBP-95	v	10	ngr	0.0
IN MATER BY	UMIR	BENZID	WCS703XX	DV4W*202 N	HMCM	13-SEP-95	26-8BP-95	•	2	ner	0.0
IN WATER BY	UMIS	BENZOA	MDAX03X1	DV4M*447 H	MOFI	31-0CT-95	13-NOV-95	٧	13	190	0.0
IN MATER BY	UM18	BENZOA	MCAX03X1	DV4N*235 N	MOPI	31-0CT-95	13-NOV-95	v	13	USIT	0.0
IN WATER BY GO	UMIS	BENZOA	MDG307X1	DV4W*448 N	MOPI	31-0CT-95	13-NOV-95	v	13	ner	0.0
IN WATER BY GO	UM18	BENZOA	MXG2 07X1	DV4W*165 W	MOPI	31-0CT-95	13-NOV-95	v	13	UGE	0.0
WATER BY GO	UMIS	BENZOA	MDZW12X3		MOHI	02-NOV-95	05-DBC-95	•	13	ner	0.0
IN WATER BY GO	UM18	BENZOA	MXZW12X3	DV4W*275 W	MOHI	02-NOV-95	05-DEC-95	•	13	UGE	0.0
IN WATER BY	UM18	BENZOA	WX5703XX	DV4W*202 W	FENCE	13-SRP-95	26-SBP-95	v	13	TSD.	0.0

Chemical Quality Control Report Installation: Fort Devens, MA (DV)

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		Value Units	Ten	ner	ner	700	181		Ten	ner	UGE	ngr	ngr	ngr	ngr C	UGE	ner	ner	ner	UGE	ner	ngr ngr	ner	UGE	ner	ner	UBIC	ner	UGE	ner
		Value	a	6.1	6.1	6.1	6.1	1 1	6.1	6.1	.87	.87	.87	.87	.87	.87	.87	.87	.72	.72	.72	.72	.72	.72	.72	.72		7	7	71
		v :	v	٧	v	v	v (, v	· •	. v	٧	v	v	v	٧	v	v	v	٧	v	v	v	v	v	v	v	v	v	v	v .
(DV)	Amples)	Analysis Date	27-SBP-95	13-NOV-95	13-NOV-95	13-NOV-95	13-NOV-95	05-DRC-95	27-SBP-95	26-SBP-95	13-NOV-95	13-NOV-95	13-NOV-95	13-NOV-95	05-DBC-95	05-DBC-95	26-SBP-95	27-SRP-95	13-NOV-95	13-NOV-95	13-NOV-95	13-NOV-95	05-DBC-95	05-DBC-95	26-SEP-95	27-SBP-95	13-NOV-95	13-NOV-95	13-NOV-95	13-NOV-95
Devens, MA 7 Sites	N-FILTERED S	Sample Date	13-SRP-95	31-0CT-95	31-0CT-95	31-0CT-95	31-0CT-95	02-NOV-95	13-SBP-95	13-SEP-95	31-0CT-95	31-0CT-95	31-0CI-95	31-0CT-95	02-NOV-95	02-NOV-95	13-SBP-95	13-SRP-95	31-0CT-95	31-0CT-95	31-0CT-95	31-0CT-95	02-NOV-95	02-NOV-95	13-SEP-95	13-SEP-95	31-0CT-95	31-0CI-95	31-0CT-95	31-0CT-95
Installation: Fort Devens, MA (DV) Group 2, 7 Sites	SAMPLE DUPLICATES (NON-PLITERED SAMPLES)	Lab Number Lot	DV4W*432 WDWH	DV4W*447 WDFI			DV4W*448 WDFI			DV4W*202 WDWH	DV4W*447 WDPI	DV4W*235 WDPI			DV4W*450 WDHI			DV4W*432 WDWH	DV4W*447 WDFI	DV4W*235 WDFI			DV4W*450 WDHI	DV4W*275 WDHI		DV4W*432 WDWH	DV4W*447 WDFI	DV4W*235 WDFI	DV4W*165 WDFI	DV4W*448 WDFI
Ins	SAMPLE	IRDMIS Field Sample Number	WD5703XX	MDAX03X1	HXXAX03X1	MXG307X1	MDG307X1	MDZW12X3	WD5703XX	WX5703XX	MDAX03X1	MXAX03X1	MDG307X1	MXG3 07X1	MDZW12X3	MXZW12X3	WXS703XX	WD5703XX	MDAX03X1	MXXX03X1	MDG307X1	MXG307X1	MDZW12X3	PCK ZW12X3	WX5703XX	WD5703XX	MDAX03X1	MXAX03X1	MXG307X1	MDG3 07X1
		Test Name	BENZOA	BOHIPY	BOHIPY	BGHIPY	BGHIPY	HOHIDY	BGHIPY	BCHIPY	BKFANT	BKFANT	BKPANT	BKFANT	BKFANT	BKFANT	BKFANT	BKPANT	BZALC	BZALC	BZALC	BZALC	BZALC	BZALC	BZALC	BZALC	CARBAZ	CARBAZ	CARBAZ	CARBAZ
	•	IRDMIS Method Code	UM18 .	UM18	UM18	CMIS	UM18	13418	CM18	UM18	UM18	UM18	UMIB	UM18	UMIB	UMIB	UM18	UM18	UM18	UM18	UM18	UMIB	UM18	UM18	UM18	UMIB	UM18	UM18	UM18	OM18
•		Method Description	BNA'S IN WATER BY GC/MS	BNA'S IN WATER BY GC/MS	IN WATER BY	IN WATER BY	BUA'S IN WATER BY GC/MS	TN WATER BY	IN WATER BY	IN WATER BY	BWA'S IN WATER BY GC/MS	IN WATER BY	WATER BY	WATER BY	IN NATER BY	IN WATER BY	IN WATER BY	BNA'S IN WATER BY GC/MS	BNA'S IN WATER BY GC/MS	BNA'S IN WATER BY GC/MS	IN WATER BY	WATER BY	BNA'S IN WATER BY GC/MS	BNA'S IN WATER BY GC/MS	IN WATER BY	BNA'S IN WATER BY GC/MS	BNA'S IN WATER BY GC/MS	WATER BY	WATER	BNA'S IN WATER BY GC/MS

Chemical Quality Control Report Installation: Fort Devens, MA (DV) Group 2, 7 Sites

Wethod Description	IRDMIS Method Code	Test	IRDMIS Pield Sample Number	i.ab Number I.	lot Dag	Sample Date	Analysis Date	v	Value	Value Unite	RPD
IN WATER BY	UM18	CARBAZ	MDZW12X3			02-NOV-95	05-DEC-95	. v	~	UGI	0.0
IN WATER BY	UM18	CARBAZ	MXZW12X3			02-NOV-95	05-DBC-95	v	7	ner	0.0
IN WATER BY	UM18	CARBAZ	WX5703XX		WDWH 13	13-SBP-95	26-SBP-95	v	64	UGE	0.0
BNA'S IN WATER BY GC/MS	CM18	CARBAZ	WD5703XX	DV4W*432 W	WDWH 13	13-SRP-95	27-SBP-95	v	7	UGE	0.0
BNA'S IN WATER BY GC/MS	UM18	CHRY	MDAX03X1	DV4W*447 WE	NOPI 31.	31-0CT-95	13-NOV-95	v	2.4	ner ner	0.0
BNA'S IN NATER BY GC/MS	UM18	CHRY	MXAX03X1	DV4W*235 M	WDPI 31	31-0CT-95	13-NOV-95	· v	7.	ner	0.0
IN WATER BY	UM18	CHRY	HDG307X1	DV4W*448 W	NDPI 31	31-0CT-95	13-NOV-95	v	2.4	ugr	0.0
IN NATER BY	UM18	CHRY	MXG307X1	DV4W*165 M	NDPI 31.	31-0CT-95	13-NOV-95	v	7.4	מפני	0.0
IN WATER BY	UMIB	CHRY	MDZW12X3	_	ADHI 02	02-NOV-95	05-DBC-95	v	7.4	UGE	0.0
IN WATER BY	CM18	CHRY	MX ZW12X3		_	02-NOV-95	05-DBC-95	v	2.4	ngr	0.0
IN WATER BY	UMIB	CHRY	WX5703XX	DV4W*202 W	•	13-SBP-95	26-SEP-95	v	2.4	ner	°.
BNA'S IN WATER BY GC/MS	CM18	CHRY	WD5703XX	DV4W*432 M	WDWH 13	13-SEP-95	27-SEP-95	v	2.4	nar	0.0
		;					1				
TH WATEK BY	2418	CL6BZ	MDAX03X1			31-0CT-95	13-NOV-95	v	7.6	nor.	0.0
IN WATER BY	CM18	CTeBZ	MXAX03X1	_	•	31-0CT-95	13-NOV-95	v	1.6	ner ner	0.0
IN WATER BY	UMIB	CL6BZ	MDG307X1	DV4W*448 M	•	31-0CT-95	13-NOV-95	v	1.6	UGF	0.0
IN WATER BY	UM18	CT6B2	10XG3 07X1	DV4W*165 W		31-0CT-95	13-NOV-95	v	1.6	UGE	0.0
IN WATER BY	UM18	2E97	MDZW12X3	DV4W*450 NE	NOHI 02	02-NOV-95	05-DBC-95	v	1.6	ngr	0.0
IN WATER BY	UM18	CT682	MXZW12X3	DV4W*275 ME	MDHI 02	02-NOV-95	05-DBC-95	v	1.6	ngr	0.0
IN WATER BY	UM18	CL6BZ	WX5703XX	DV4W*202 M	WDWH 13	13-SRP-95	26-SBP-95	v	1.6	7en	0.0
BNA'S IN WATER BY GC/MS	UM18	CL6BZ	WD5703XX	DV4W*432 W	MDWH 13	13-SBP-95	27-SBP-95	v	1.6	Ten	0.0
BNA'S IN WATER BY GC/MS	UM18	CL6CP	MDAX03X1	DV4W*447 NE	WDPI 31.	31-0CT-95	13-NOV-95	v	9.	rgr Rgr	0.0
IN MATER BY	UM18	CLECP	HXXX03X1	DV4W*235 ND	MOPI 31-	31-0CT-95	13-NOV-95	v	9.6	UGE	0.0
IN MATER BY	UM18	CLECP	MXG307X1			31-0CT-95	13-NOV-95	v	8.6	מפנ	0.0
IN WATER BY	CM18	CL6CP	MDG307X1			31-0CT-95	13-NOV-95	v	8.6	ner	0.0
IN WATER BY	UM18	CLECP	MXZW12X3	-		02-NOV-95	05-DEC-95	v	9.0	UGE	0.0
IN WATER BY	UM18	CT-6CP	MDZW12X3	DV4W*450 NC	WDHI 02-	02-NOV-95	05-DBC-95	v	9.8	UGE	0.0
IN WATER BY	UM18	CELECP.	WD5703XX	DV4W*432 NC	NDWH 13	13-SEP-95	27-SBP-95	v	8.6	7gn	0.0
BNA'S IN WATER BY GC/MS	CM18	CT-6CP	WXS703XX	DV4W*202 W	MDWH 13	13-8BP-95	26-SBP-95	v	9.8	UGE	0.0
BNA'S IN NATER BY GC/MS	UM18	CLEBT	MDAX 03X1	DV4W*447 WDFI		31-0CT-95	13-NOV-95	v	1.5	מפר	0.0

Chemical Quality Control Report Installation: Fort Devens, MA (DV) Group 2, 7 Sites

Method Description	IRDMIS Method Code	Test	IRUMIS Field Sample Number	Lab Number Lot	Sample Date	Analysis Date	v	Value	Value Unite	. GAN
IN WA	UMIR	CLEBT	MXAX03X1	LO.	31-0CT-95	13-NOV-95	v	1.5	nar	0.0
IN WA	UM18	CLEBT	HDG307X1	DV4W*448 WDPI	31-0CT-95	13-NOV-95	v	1.5	nar	0.0
IN MA	UM18	CL6BT	MXCD 07X1	DV4W*165 NDPI	31-0CT-95	13-NOV-95	v	7. S	CGE	0.0
IN WA	UM18	CL68T	MDZW12X3	DV4W*450 NDHI	02-NOV-95	05-DBC-95	v	1.5	UGE	0.0
IN WAT	UM18	CLERT	MX ZW12X3	DV4W*275 WDHI	02-NOV-95	05-DBC-95	•	1.5	ngr	0.0
3	UM18	CLEBT	WX5703XX	DV4W*202 WDWH	13-SEP-95	26-SRP-95	v	1.5	מפר	0.0
Z	UM18	CLERT	WID5703XX	DV4W*432 NDWH	13-88P-95	27-SBP-95	v	1.5	nor nor	0.0
BNA'S IN WATER BY GC/MS	UM18	DBAHA	MDAX03X1	DV4W*447 NDPI	31-0CT-95	13-NOV-95	v	6.5	nar	0.0
WATER BY GC	UMIB	DBAHA	HXXX03X1	DV4W*235 WDPI	31-0CT-95	13-NOV-95	v	6.5	UGE	0.0
IN NATER	UM18	DBAHA	MXG307X1	DV4W*165 NDPI	31-0CT-95	13-NOV-95	v	6.5	מפנ	0.0
IN WATER BY GC	UM18	DBAHA	MDG307X1	DV4M*448 NDPI	31-0CT-95	13-NOV-95	v	6.5	DOL	0.0
IN WATER BY GC	UM18	DBAHA	HDZW12X3	DV4W*450 NDHI	02-NOV-95	05-DBC-95	•	6.5	UGE	0.0
IN WATER BY GC	CM18	DBAHA	MXZW12X3	DV4M*275 WDHI	02-NOV-95	05-DEC-95	v	6.5	UST	0.0
IN NATER BY GC	CM18	DBAHA	WX5703XX	DV4W*202 NDWH	13-888-95	26-88P-95	v	6.5	Ton	0.0
BNA'S IN WATER BY GC/MS	UM18	DBAHA	WD5703XX	DV4W*432 NDWH	13-8EP-95	27-8RP-95	•	6.5	7en	0.0
BNA'S IN WATER BY GC/MS	UM16	DBHC	MDAX03X1	DV4W*447 MDPI	31-0CT-95	13-NOV-95	٧	•	790	0.0
BY	UMIB	DBHC	MXAX03X1	DV4W*235 NDPI	31-0CT-95	13-NOV-95	v	•	מפר	0.0
IN NATER BY	UM18	DBHC	MDG307X1	DV4W*448 WDPI	31-0CT-95	13-NOV-95	v	4	nar	0.0
IN WATER	CM18	DBHC	MXG307X1	DV4W*165 NDPI	31-0CT-95	13-NOV-95	•	•	nor	0.0
IN WATER BY	CM18	DBHC	MDZW12X3	DV4M*450 WDHI	02-NOV-95	05-DEC-95	v	•	nor	0.0
IN WATER BY	UM18	DBHC	MXZW12X3	DV4W*275 WDHI	02-NOV-95	05-DBC-95		₹.	USE	0.0
IN WATER BY	UMIB	DBHC	HCK5703XX		13-SRP-95	26-589-95	v	•	nor	0.0
BY	UM18	DBHC	WD5703XX	DV4W*432 NDWH	13-SBP-95	27-SEP-95	v	4	Ten	0.0
IN WATER BY	UMIS	DBZFUR	MDAX03X1	DV4W*447 WDPI	31-0CT-95	13-NOV-95	٧	1.7	TOT	0.0
BNA'S IN WATER BY GC/MS	UMIB	DBZFUR	HXXX03X1	DV4W*235 NDFI	31-0CT-95	13-NOV-95	v	1.7	ner	0.0
IN WATER BY GC	UM18	DBZPUR	MDG307X1	DV4W*448 NDFI	31-0CT-95	13-NOV-95	v	1.7	ngr	0.0
IN WATER BY GC	UMIB	DBZFUR	MXG3 07X1	DV4W*165 NDPI	31-0CT-95	13-NOV-95	٧	1.7	nar nar	0.0
IN WATER BY GC	UM18	DBZFUR	MDZW12X3	-	02-NOV-95	05-DBC-95	v	1.7	nar	0.0
IN WATER BY GC	UM18	DBZFUR	MXZW12X3	DV4W*275 NDHI	02-NOV-95	05-DBC-95	v	1.7	nar	0.0
BNA'S IN WATER BY GC/MS	UM18	DBZFUR	KX5703XX	DV4W*202 WDWH	13-SEP-95	26-8RP-95	•	1.7	Ten	0.0

Chemical Quality Control Report Installation: Fort Devens, MA (DV) Group 2, 7 Sites

		IRDMIS Wethod	∰ 66 €	IRDNIS Field Sample	q 1		Samole	Analvaia				
Nethod Description	1	code	Name	Number	ř.	Į,	Date	Date		alue	Value Units	RPD
BNA'S IN WATER BY GO	C/M3	UM18	DBZFUR	MD5703XX	32	MDWH	13-SRP-95	27-38P-95	٧	1.7	Tegr	0.0
IN WATER BY	c/ws	UMIR	DBP	MDAX03X1	DV4W*447	MOPI	31-0CT-95	13-NOV-95	v	7	UGI	0.0
IN WATER BY	C/M3	UMIS	DRP	MXXX03X1	DV4N*235	WOFI	31-0CT-95	13-NOV-95	v	n	CGL	0.0
NATER BY	OC/HS	UMIR	DRP	HCKCD 07X1	DV4N*165	MOPI	31-0CT-95	13-NOV-95		2.4	UGL	18.2
IN MATER BY	C/M3	CHIB	DRP	HDG307X1	DV4W*448	MORI	31-0CT-95	13-NOV-95	v	М	UGE	18.2
IN WATER BY	c/HS	UM18	DRP	MCZW12X3	DV4M*275	MOHI	02-NOV-95	05-DBC-95	v	7	ner	0.0
IN WATER BY	C/M3	UMIS	DRP	MDZW12X3	DV4W*450	AHI	02-NOV-95	05-DBC-95	v	ч	ust	0.0
IN WATER BY	GC/MS	CM18	DRP	WDS703XX	DV4W*432	MOME	13-SBP-95	27-SBP-95	v	7	UGE	0.0
IN WATER BY	C/MS	UM18	DRP	WX5703XX	DV4W+202	MOM	13-SEP-95	26-SBP-95	v	7	UGE	0.0
BMA'S IN WATER BY GC	C/MS	UMIR	DIDEN	MDAX 01X1	DV4W*447	Taus	31-0CT-95	13-WW-95	,	1		6
IN WATER BY	GC/MS	UM16	DLDRN	MXAX03X1		MOPI	31-0CT-95	13-NOV-95	/ v			
IN WATER BY	GC/M3	UM18	DLDRN	MDG307X1		MOPI	31-0CT-95	13-NOV-95	, v	7	rat.	
WATER BY	GC/MS	UM18	DLDRN	MXG307X1	DV4W*165	MOPI	31-0CT-95	13-NOV-95		4.7	Ten	0.0
IN WATER BY	GC/M3	UMIR	DLDRN	MDZW12X3	DV4N*450 1	MOHI	02-NOV-95	05-DBC-95	v	4.7	UGIT	0.0
IN WATER BY	GC/MS	UM18	DLDRN	MXZW12X3	DV4W*275	MOHI	02-NOV-95	05-DBC-95	v	4.7	uat	0.0
IN WATER BY	GC/M3	UM18	DLDRN	WX5703XX	DV4W*202 1	MOWH	13-SBP-95	26-SBP-95	v	4.7	UGE	0.0
BNA'S IN MATER BY GC	C/MS	UM18	DLDRN	WD5703XX	DV4W*432 1	HMOM	13-SBP-95	27-SEP-95	•	4.7	OGI	0.0
ENA'S IN NATER BY GC	C/MS	0818	dWD	MDAX03X1	DV4W*447	MOPI	31-0CT-95	13-WW-95	,		Irai.	6
IN NATER BY	GC/MS	UM18	DMP	MXAX03X1			31-0CT-95	13-NOV-95	· •	1.5	UGE	0.0
IN WATER BY	GC/MS	UM18	DMP	MXG3 07X1	DV4N*165 1		31-0CT-95	13-NOV-95	v	1.5	USI	0.0
IN WATER BY	GC/MS	UM18	DMP	MDG307X1		WOFI	31-0CT-95	13-NOV-95	v	1.5	COL	0.0
IN WATER BY	2/M3	UM18	DHE	MXZW12X3	DV4M*275 1	MOHI	02-NOV-95	05-DBC-95	v	1.5	COL	0.0
IN WATER BY	GC/MS	UM18	DMP	MDZW12X3		MOHI	02-NOV-95	05-DBC-95	v	1.5	COL	0.0
IN WATER BY	:/W3	UM18	DMP	WD5703XX	DV4N*432 1	FACE	13-SEP-95	27-SEP-95	v	1.5	UGE	0.0
BNA'S IN WATER BY GO	GC/M3		ZW.P	WX5703XX	DV4W*202	HMCM	13-SBP-95	26-SBP-95	•	1.5	ngr	0.0
IN WATER	GC/M3	UM18	DABP	MDAX03X1	DV4W*447	MOFI	31-0CT-95	13-NOV-95	v	3.7	nar	0.0
BRIA'S IN NATER BY GC/MS	:/M3	UMIB	DNBP	MXAX03X1			31-0CT-95	13-NOV-95	v	3.7	nar	0.0
IN WATER	/M3	UM18	DNBP	MDG307X1			31-0CT-95	13-NOV-95	v	3.7	UGL	0.0
NATER TER	Z/MS	UMIB	DYBP	MXG307X1	DV4W*165 1	MOPI	31-0CT-95	13-NOV-95	•	3.7	UGE	0.0

Chemical Quality Control Report

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TRUMIS Field Analysis Field Analysis Analys				onT#A	3.7	3.7	3.7	3.7	15	15	15	15	15	15	15	15	7	7.	7.6	7.6	7.6	7.6	7.6	7.6	62	σ	co	•	∞	∞	₩	∞	•
TREMIS Field Lab				; v ; ;	٧	v	Ņ	v	٧	v	٧	٧	v	v	Ý	v	,	, ,	, v	٧	v	٧	v	v	٧	v	٧	v	v	¥	v	٧.	,
Description	(DO)	amples)	Analysis	Date	05-DBC-95	05-DBC-95	26-3BP-95	27-SBP-95	13-NOV-95	13-NOV-95	13-NOV-95	13-NOV-95	05-DRC-95	05-DEC-95	27-SEP-95	26-SEP-95	39-WW-51	13-WW-95	13-NOV-95	13-NOV-95	05-DBC-95	05-DBC-95	26-SBP-95	27-SBP-95	13-NOV-95	13-NOV-95	13-NOV-95	13-NOV-95	05-DBC-95	05-DBC-95	26-SBP-95	27-SBP-95	The Name of
Description	Devens, MA 7 Sites	N-PILTERED S	Sample	Date	02-NOV-95	02-NOV-95	13-SRP-95	13-SBP-95	31-0CT-95	31-0CT-95	31-0CT-95	31-0CT-95	02-NOV-95	02-NOV-95	13-SEP-95	13-SRP-95	31-77-05	31-0-1-95	31-0CI-95	31-OCT-95	02-NOV-95	02-NOV-95	13-SRP-95	13-SRP-95	31-0CT-95	31-0CT-95	31-0CI-95	31-0CT-95	02-NOV-95	02-NOV-95	13-SRP-95	13-SRP-95	1
Description	n: Fort	TRS (NO	<u>.</u>		MDHI																				MOPI								
Description	tallation Gr	DUPLICA	qei	Manber	DV4W*450	DV4W*275	DV4W*202	DV4W*432	DV4W*447	DV4W*235	DV4W*165	DV4W*448	DV4W*275	DV4W*450	DV4W*432	DV4W*202	TWAMPAA	TW4W423	DV4W*448	DV4W*165	DV4W*450	DV4W*275	DV4W*202	DV4W*432	DV4W*447	DV4W*235	DV4W*448	DV4W*165	DV4W*450	DV4W*275	DV4W*202	DV4W*432	
IRDMIS Method Code IN WATER BY GC/MS IN WATER B	֝ ֭֭֭֡֡֟֝	SAMPLE	IRDMIS Field Sample	recommunication	MDZW12X3	MXZW12X3	WX5703XX	WD5703XX	MDAX03X1	MXAX03X1	MXG3 07X1	MDG3 07X1	MXZW12X3	MDZW12X3	WD5703XX	WX5703XX	MDAYOTYT	MYBYORY	MDG307X1	HXG307X1	MDZW12X3	MXZW12X3	WX5703XX	WD5703XX	MDAX03X1	MXAX03X1	MDG3 07X1	MXG307X1	MDZW12X3	MXZW12X3	WX5703XX	WD5703XX	
I Description II WATER BY GC/MS IN WATER BY GC/MS			Test	Name	DNBP	DNBP	DNBP	DNBP	DNOP	DINOP	DINOP	DNO	DINOP	DNOP	DNOP	DNOP	Modra	Nacina	ENDRN	KNDRN	KNDKN	KNDKN	RNDRN	RNDRN	RNDRNA	BNDRNA	KNDRNA	KNDRNA	KNDKNA	KNDKNA	ENDRNA	ENDRNA	
I Description II WATER BY IN WATER BY			IRDMIS	e Boo	UM18	UM18	UM18	UM18	UM18	UM18	CM18	UM18	UM18	UM18	UM18	UM18	1167.0	THEIR	UM18	UMIB	UM18												
I Description II WATER BY IN WATER BY	•				GC/MS	GC/MS	GC/MS	GC/M3	GC/M3			GC/MS	GC/MS	GC/MS	GC/MS	GC/MS	5M/ J2	5#/JE	GC/MS														
thod Descrit A'S IN WATES			1	2010										BY	BY	BY										BY	BY	BY					
HANNARA ANARAS SI SI SI SI SI SI SI SI SI SI SI SI SI				כניו	WIE	WATE	ATE	ATE	ATE	TATE	WIE	WIE	ATE	ATE	ATER	WATER	78.700	T.	ATER	MIER	MIRE	MIES	WIER	CATER	MIER	MITER	PATER	MIKE	WIE	TATES	IATER	CATES	
				ē	N	N	NI	Z	Z	Z	Z	Z	Z		Z		2	2	Z	Z	Z	N.			Z	N	Z	Z		Z			3
				8 :	8. S	8.4	8 . Y	8. Y	S)	8.4	NA'S	8.4%	NA'S	8		8. Y	8	9		8,48	B. AN	NA'S	NA'S	8.4%	9	S'AN	8.3				NA'S	8.5	

Installation: Fort Devens, MA (DV)

Hethod Description	IRDMIS Method Code	Test Name	IRDNIS Field Sample Number	Lab Number Lot	Sample Date	Analysis Date	v	Value Units	Unite	RPO
BNA'S IN WATER BY GC/MS	UM18	ENDRINK	MXAX03X1	DV4W*235 WDPI	31-0CT-95	13-NOV-95		65	ngr.	0.0
IN WATER BY GC	UM18	BNDRNK	MDG307X1	DV4W*448 WDPI	31-OCT-95	13-NOV-95		•	ngr ·	0.0
IN WATER BY GC	UM18	RNDRNK	MXG307X1	DV4W*165 WDPI	31-0CT-95	13-NOV-95	v	•	UGE	0.0
IN WATER BY GO	UMIB	BNDRNK	MDZW12X3	DV4W*450 WDHI	02-NOV-95	05-DBC-95	v	•	nor	0.0
IN WATER BY GO	CM18	BNDRNK	MX ZW1 2 X3	DV4M*275 WDHI	02-NOV-95	05-DBC-95	v	•	nor	0.0
8	UMIB	ENDRNK	WX5703XX	DV4M*202 WDWH	13-SBP-95	26-SEP-95	v	•	ngr	0.0
BNA'S IN WATER BY GC/MS	UNIB	ENDRINK	WD5703XX	DV4W*432 WDWH	13-3BP-95	27-SEP-95	v	•	מפני	0.0
BNA'S IN WATER BY GC/MS	1341.8	BSPS04	MDAXO3X1	DV4W*447 WDPI	31-0CT-85	13-VIN-95	,	•		c
IN WATER BY GC	UM18	BSPSO4	MXAX03X1	DV4W*235 WDPI	31-0CT-95	13-NOV-95	, ,	6	1200	0.0
IN WATER BY	UM18	BSPS04	MDG307X1	DV4W*448 WDPI	31-0CT-95	13-NOV-95		6	ngr.	0.0
BNA'S IN WATER BY GC/MS	UM18	RSPSO4	MXG307X1	DV4M*165 NDPI	31-0CT-95	13-NOV-95	v	9.5	UGE	0.0
BNA'S IN WATER BY GC/HS	UMIS	BSPSO4	MDZW12X3	DV4W*450 NDHI	02-NOV-95	05-DBC-95	v	9.5	ngr	0.0
BNA'S IN WATER BY GC/NS	UMIB	BSPSO4	MXZW12X3	DV4W*275 WDHI	02-NOV-95	05-DBC-95	v	9.5	ner	0.0
IN WATER BY GC	UM18	BSPS04	WX5703XX	DV4W*202 WDWH	13-SEP-95	26-SBP-95	v	9.5	ner	0.0
BNA'S IN WATER BY GC/HS	UM18	RSPS04	WD5703XX	DV4W*432 NDWH	13-SEP-95	27-SEP-95	•	9.5	Ten	0.0
BAY DO AN ARTEN NI S'ANA	9 (78.2	TANG	WDBY03Y1	1004 4447 WDD1	31-000-06	13-WW7-0E	,	,		6
TN WATTER BY CA	TMIR	PANT	MT BY 03 X 1	TOUR SECRETARY	31-0-1-95	13-MW-95	, ·	י ר		
IN WATER BY GC	UKIB	PANT	MDG307X1	DV4W*448 WDPI	31-0CT-95	13-NOV-95	, ,			
IN WATER BY GO	UM18	PANT	MXG307X1		31-0CF-95	13-NOV-95	, ,		nat	0.0
BY	UM18	PANT	MDZW12X3	DV4N*450 WDHI	02-NOV-95	05-DEC-95	•	 E.	7gn	0.0
BNA'S IN WATER BY GC/MS	UM18	PANT	MX ZW12X3	DV4W*275 WDHI	02-NOV-95	05-DEC-95	•	3.3	CGL	0.0
IN WATER BY GC	UM18	PANT	WX5703XX	DV4W*202 NDMH	13-SEP-95	26-88P-95	•	3.3	ngr n	0.0
BNA'S IN WATER BY GC/MS	OM18	PANT	WD5703XX	DV4W*432 WDWH	13-SEP-95	27-SRP-95	•	3.3	ngr	0.0
BNA'S IN WATER BY GC/MS	UM18	PLRENE	MDAX03X1	DV4N*447 WDFI	31-0CT-95	13-NOV-95	v	3.7	ger	0.0
IN WATER BY GC	UM18	PLRENB	MXAX03X1	DV4W*235 WDPI	31-OCT-95	13-NOV-95	•	3.7	ner	0.0
IN WATER BY GC,	UM18	PLRENE	MXG307X1	DV4W*165 WDPI	31-0CT-95	13-NOV-95	v	3.7	ner	0.0
IN WATER BY GC	UMIB	PLRENE	MDG307X1	DV4W*448 NDFI	31-0CT-95	13-NOV-95	v	3.7	COL	0.0
IN WATER BY GO	UM18	PLRENE	MDZW12X3		02-NOV-95	05-DEC-95	v	3.7	TEO .	0.0
IN WATER BY GC,	UMIB	PLRENE	MXZW12X3	DV4W*275 WDHI	02-NOV-95	05-DEC-95	v	3.7	ner n	0.0
BNA'S IN NATER BY GC/MS	UMTB	PLRENE	WX5703XX	DV4W*202 WDWH	13-SBP-95	26-SBP-95	v	3.7	ust	0.0

Chemical Quality Control Report Installation: Fort Devens, MA (DV)

κ.			Ħ	stallation: Gro	Port Ip 2,	Installation: Fort Devens, MA (DV) Group 2, 7 Sites	(DV)				
			SAMPL	R DUPLICATE	ON) SE	SAMPLE DUPLICATES (NON-FILTERED SAMPLES)	AMPLES)				
Method Description	IRDMIS Method Code	Test	IRDMIS Field Sample Number	Lab Number	Lot	Sample Date	Analysis Date	v	Value	Value Units	RPD
BNA'S IN WATER BY GC/MS	UM18	FLRENB	WD5703XX	DV4W*432 WDWH	HMCM	13-SRP-95	27-SRP-95	. v	3.7	ng r	0.0
BNA'S IN WATER BY GC/MS	UM18	GCLDAN	MDAX03X1	DV4W*447	MOPI	31-0CT-95	13-NOV-95	٧	5.1	UGE	0.0
WATER BY	UM18	GCLDAN	MXAX03X1	DV4W*235	WDPI	31-0CT-95	13-NOV-95	v	5.1	UGE	0.0
BNA'S IN WATER BY GC/MS	UM18	GCLDAN	MDG307X1	DV4W*448	MOPI	31-0CT-95	13-NOV-95	v	5.1	ngr	0.0
WATER BY	UM18	GCLDAN	MXG3 07X1	DV4W*165		31-0CT-95	13-NOV-95	v.	5.1	ner	0.0
IN WATER BY	UMIB	GCLDAN	MDZW12X3	DV4W*450		02-NOV-95	05-DBC-95	v	5.1	ner	0.0
IN WATER BY	UM18	GCLDAN	MXZW12X3	DV4W*275		02-NOV-95	0S-DBC-95	v	5.1	ngr	0.0
IN WATER BY	UM18	GCLDAN	WX5703XX	DV4W*202	MOWH	13-SBP-95	26-SRP-95	v	5.1	TEO	0.0
MA'S IN WATER BY GC/MS	UM18	GCLDAN	WD5703XX	DV4W*432	MOM	13-SRP-95	27-SBP-95	v	5.1	ngr	0.0
MA'S IN WATER BY GC/MS	UM18	QBO	MDAX03X1	DV4W*447	MOPI	31-0CT-95	13-NOV-95	٧	W.	UGE	0.0
WATER BY	UM18	HCBD	MXAX03X1	DV4W*235	MOPI	31-0CT-95	13-NOV-95	· v	M.	120	0.0
IN WATER BY	UM18	HCBD	MDG307X1	DV4W*448	IACM	31-0CT-95	13-NOV-95	v	3.6	TOD	0.0
IN WATER BY	UM18	HCBD	MXG3 07X1	DV4W*165	WOFI	31-0CT-95	13-NOV-95	v	3.4	Ten	0.0
	UMIB	HCBD	MDZW12X3	DV4W*450	WOHI	02-NOV-95	05-DRC-95	v	3.4	Œ	0.0
IN WATER BY	UMIB	HCBD	MXZW12X3	DV4W*275	MOHI	02-NOV-95	05-DBC-95	v	3.4	ner	0.0
MA'S IN WATER BY GC/MS	UM18	HCBD	WX5703XX	DV4W*202	MOM	13-8RP-95	26-SBP-95	v	3.4	ngr Car	0.0
MA'S IN WATER BY GC/MS	UM18	HCBD	WD5703XX	DV4W*432	HACK	13-SRP-95	27-SRP-95	v	3.4	Ten	0.0
INA'S IN WATER BY GC/MS	UM18	HPCL	MDAX03X1	DV4W*447	WDFI	31-0CT-95	13-NOV-95	v	7	ner	0.0
BY	UM18	HPCL	MXAX03X1	DV4W*235	MOPI	31-0CT-95	13-NOV-95	v	7	Ten	0.0
INA'S IN WATER BY GC/MS	UMIB	HPCL	MDG307X1	DV4W+448	WDFI	31-0CT-95	13-NOV-95	•	7	TEN	0.0
IN WATER BY	UM18	HPCL	MXG3 07X1	DV4W*165		31-0CT-95	13-NOV-95	v	7	Ten	0.0
INA'S IN WATER BY GC/MS	UM18	HPCL	MDZW12X3	DV4W*450	MOHI	02-NOV-95	05-DBC-95	v	~	Œ	0.0
IN WATER BY	UM18	HPCL	MXZW12X3	DV4W*275	MOHI	02-NOV-95	05-DBC-95	v	7	Ter.	0.0
IN WATER BY	UMTB	HPCL	WX5703XX	DV4W*202	MOM	13-SEP-95	26-3BP-95	v	~	ngr	0.0
NA'S IN WATER BY GC/MS	UM18	HPCL	WD5703XX	DV4W*432	MOM	13-SRP-95	27-SBP-95	v	7	ner	0.0
NA'S IN WATER BY GC/MS	UM18	HPCLE	MDAX03X1	DV4W*447	IACM	31-0CT-95	13-NOV-95	v	v	ngr	0.0
BY	UM18	HPCLB	MXAX03X1	DV4W*235 WDPI	WOPI	31-0CT-95	13-NOV-95	v	S	ngr	0.0
IN WATER BY	UM18	HPCLE	MDG307X1	DV4W*448	WDPI	31-0CT-95	13-NOV-95	v	v	ngr	0.0
INA'S IN WATER BY GC/MS	UM18	HPCLB	MXG3 07X1	DV4W*165	MOPI	31-0CT-95	13-NOV-95	v	w	UGE	0.0

Chemical Quality Control Report Installation: Fort Devens, MA (DV) Group 2, 7 Sites

RPD	0.0	0.0	0.0	0.0	ć		0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Value Unite	ngr.	Ten	USE	UGI	ž	•	-					UGE	_	_			UGE	Ten		ner	מפור	Ten	ner	ner	OGE	Ten	Ten	Ten .	USI
Valu	S	ī.	S.	ιΩ	•			8.6	9.8	8.6	9.8	8.6	4 .	4.8	4.8	4.8	4.8	4.8	4.8	4.8	•	•	*	•	•	•	*	•	5.1
v	V	٧	٧	v	,	, ,	, v	· •	٧	٧	· v	v	٧	v	v	v	v	٧	٧	•	٧	٧	٧	٧	v	v	•	v	v
Analysis Date	05-DBC-95	05-DBC-95	26-SRP-95	27-38P-95	30-10-W-C1	13-MM/-05	13-NOV-95	13-NOV-95	05-DBC-95	05-DBC-95	27-8BP-95	26-SBP-95	13-NOV-95	13-NOV-95	13-NOV-95	13-NOV-95	05-DBC-95	05-DBC-95	26-SBP-95	27-SBP-95	13-NOV-95	13-NOV-95	13-NOV-95	13-NOV-95	05-DBC-95	05-DBC-95	26-SEP-95	27-SRP-95	13-NOV-95
Sample Date	02-NOV-95	02-NOV-95	13-SBP-95	13-SBP-95	31-00-10	31-001-05	31-0CT-95	31-0CT-95	02-NOV-95	02-NOV-95	13-SBP-95	13-SRP-95	31-0CT-95	31-0CT-95	31-0CT-95	31-0CT-95	02-NOV-95	02-NOV-95	13-SBP-95	13-SBP-95	31-0CT-95	31-0CT-95	31-0CT-95	31-0CT-95	02-NOV-95	02-NOV-95	13-SBP-95	13-SBP-95	31-0CT-95
Į,		FOHI	HMOM	F C	Taca			_	_	MOHI	F	FOX		MOPI	MOPI	MOPI	MOHI	MOHI	E E	Ŧ,	MOPI	MOPI	MOPI	WOFI	MOHI	FOHI	MOM	MOM	WOPI
Lab Number	DV4W*450	DV4W*275	DV4W*202	DV4W*432	TRYAW+447	74742477	DV4W*165	DV4W*448	DV4N*275	DV4W*450	DV4W*432	DV4W*202	DV4W*447	DV4W*235	DV4N*448	DV4M*165	DV4W*450	DV4W*275	DV4W*202	DV4W*432	DV4W*447 WDPI	DV4W*235	DV4W*448	DV4W*165	DV4W*450	DV4W*275	DV4M*202	DV4N*432	DV4W*447 WDPI
IRDMIS Field Sample Number	MDZW12X3	MXZW12X3	WX5703XX	WD5703XX	- ACOVACON	TACOARAM	MXG307X1	MDG307X1	MX ZW12X3	NDZW12X3	WD5703XX	WX5703XX	MDAX03X1	MXAX03X1	MDG307X1	MXG307X1	MDZW12X3	MX ZW12X3	WX5703XX	WD5703XX	MDAX03X1	MXAX03X1	MDG307X1	MXG307X1	MDZW12X3	MX ZW1 2X3	WX5703XX	ND5703XX	MDAX03X1
Test Name	HPCLB	HPCLB	HPCLE	HPCLR	9		TOP AND THE	ICOPYR	ICOPYR	ICDPYR	ICOPYR	ICDPYR	ISOPHR	ISOPHR	ISOPHR	ISOPHR	ISOPHR	ISOPHR	ISOPHR	ISOPHR	LIN	MEXCLR							
IRDMIS Method Code	UM18	UM18	UM18	UM18				19418	UMIS	UM18	CM18	UM18	CM18	UMIB	UM18	UM18	UM18	UMIB	UMIB	UM18	UH18	UM18							
Method Description	BNA'S IN WATER BY GC/MS	BNA'S IN WATER BY GC/MS	BNA'S IN WATER BY GC/MS	BNA'S IN WATER BY GC/MS	ON/ CO AGE GOT AN AN A PINNA	THE WATER OF	WATER BY	IN WATER BY	IN WATER BY	IN WATER BY	IN WATER BY	IN WATER BY	IN WATER BY	BNA'S IN NATER BY GC/MS	BNA'S IN NATER BY GC/MS	BNA'S IN NATER BY GC/MS	BNA'S IN WATER BY GC/MS	BNA'S IN NATER BY GC/MS	BUA'S IN WATER BY GC/MS	BNA'S IN NATER BY GC/MS	BNA'S IN WATER BY GC/MS	BNA'S IN NATER BY GC/MS	BNA'S IN NATER BY GC/MS	BNA'S IN WATER BY GC/MS	BNA'S IN WATER BY GC/MS	BNA'S IN NATER BY GC/MS	BNA'S IN NATER BY GC/MS	BNA'S IN WATER BY GC/MS	ENA'S IN WATER BY GC/MS

Chemical Quality Control Report Installation: Fort Devens, MA (DV) Group 2, 7 Sites

PATENTIANS (NOW-TITE OF PATENTIAL BANDING

			SAMPLE	DUPLICATE	ON) 52	SAMPLE DUPLICATES (NON-PILTERED SAMPLES)	AMPLES)			•	
	IRDMIS	. ±	IRDMIS Field	4		Cume					•
Method Description	•poo	Name	Number	Number	Lot	Date	Date	v	Value	Value Unite	RPD
IN WATER BY	UM18	MEXCLR	MXAX03X1	DV4W*235	WOFI	31-0CT-95	13-NOV-95		5.1	UGE	0.0
IN WATER BY	UM18	MEXCLR	MDG307X1	DV4W*448		31-0CT-95	13-NOV-95	v	5.1	UGIT	0.0
IN WATER BY	UM18	MEXCLR	MXG3 07X1	DV4W*165	WDFI	31-0CT-95	13-NOV-95	v	5.1	UGE	0.0
IN WATER BY	UM18	MEXCLR	MDZW12X3	DV4W*450	MOHI	02-NOV-95	05-DBC-95	v	5.1	UGE	0.0
IN WATER BY	UM18	MEXCLR	MXZW12X3	DV4W*275	MOHI	02-NOV-95	05-DBC-95	v	5.1	ngr	0.0
IN WATER BY	UM18	MEXCLR	WX5703XX	DV4W+202	MOME	13-SEP-95	26-SBP-95	v	5.1	UGE	0.0
BNA'S IN WATER BY GC/MS	OM18	MEXCLE	WD5703XX	DV4W*432	E E	13-SRP-95	27-SEP-95	•	5.1	ngr M	0.0
BNA'S IN WATER BY GC/MS	UM18	NAP	MDAX03X1	DV4W*447	MOPI	31-0CT-95	13-NOV-95	٧	'n	T <u>e</u> n	0.0
IN WATER BY	UM18	NAP	MCAX03X1	DV4W*235	WDPI	31-0CT-95	13-NOV-95	•	ĸ.	nar	0.0
IN WATER BY	UM18	NAP	MXG307X1	DV4W*165		31-0CT-95	13-NOV-95	v	'n	ner	0.0
IN WATER BY	UMIB	NAP	MDG307X1	DV4W*448	MOFI	31-0CT-95	13-NOV-95	v	'n	UGE	0.0
IN WATER BY	UMIS	NAP	MDZW12X3	DV4M*450	MOHI	02-NOV-95	05-DEC-95	v	'n	ner	0.0
IN WATER BY	UM18	NAP	MXZW12X3	DV4W*275	MOHI	02-NOV-95	05-DBC-95	v	'n	UGE	0.0
IN WATER BY	UM18	NAP	WX5703XX	DV4W*202	MOM	13-SEP-95	26-SEP-95	v	'n	COL	0.0
BNA'S IN WATER BY GC/MS	CM18	NAP	WD5703XX	DV4W*432	MOM	13-SBP-95	27-SEP-95	•	ri.	Ten	0.0
ENA'S IN WATER BY GC/MS	UM18	2	MDAX03X1	DV4W*447	WDFI	31-0CT-95	13-NOV-95	v	'n	UGE	0.0
WATER BY	UM18	2	MXAX03X1	DV4W*235	MOPI	31-0CT-95	13-NOV-95	•	ĸ	UGE	0.0
IN WATER BY	UMIB	9	MDG3 0 7.X.1	DV4W*448	WOFI	31-0CT-95	13-NOV-95	v	'n	OGE	0.0
IN WATER BY	UM18	包	MXG3 0 7X1	DV4W*165	WOFI	31-0CT-95	13-NOV-95	v	rú	מפני	0.0
IN WATER BY	UM18	2	MX ZW1 2X3	DV4W*275	WDHI .	02-NOV-95	05-DBC-95	v	ĸį	UGE	0.0
IN WATER BY	UM18	9	MDZW12X3	DV4W*450	MOHI	02-NOV-95	05-DBC-95	v	v.	DGL	0.0
IN WATER BY	UM18	2	WD5703XX	DV4W*432	FOR	13-8BP-95	27-SEP-95	v	'n	ner	0.0
BNA'S IN WATER BY GC/MS	CM18	9	WX5703XX	DV4W*202	HMQ.	13-SEP-95	26-SBP-95	v	'n	Ten	0.0
IN WATER BY	UM18	NNDWRA	MDAX03X1	DV4W*447	WDPI	31-0CT-95	13-NOV-95	v	7	UGE	0.0
IN WATER BY	UM18	NNDMEA	MXAX03X1	DV4W*235	MOPI	31-0CT-95	13-NOV-95	v	74	ner	0.0
IN WATER BY	UM18	NNDMBA	MCC307X1	DV4W*165	WDFI	31-0CT-95	13-NOV-95	v	~	UGE	0.0
IN WATER BY	UM18	NUMBA	MDG307X1	DV4W*448	MOPI	31-0CL-95	13-NOV-95	v	71	COL	0.0
IN WATER BY	UM18	NNDMBA	MDZW12X3	DV4W*450		02-NOV-95	05-DEC-95	v	~	Ten	0.0
IN WATER BY	CM18	NEWEN	MXZW12X3		MOHI	02-NOV-95	05-DBC-95	v	~	CCT	0.0
BNA'S IN WATER BY GC/MS	CM18	NNDMRA	WX5703XX	DV4W*202	E	13-SEP-95	26-SBP-95	v	~	ngr	0

Chemical Quality Control Report Installation: Fort Devens, MA (DV) Group 2, 7 Sites

Method Description	IRDNIS Method Code	Test Name	IRDMIS Pield Sample Number	Lab Number Lot	Sample Date	Analysis Date	·	/alue	Value Units	S S
BNA'S IN WATER BY GC/MS	UMIR	NNDMBA	WD5703XX	DV4W*432 WDWH	13-SRP-95	27-SBP-95		7	UGT	0.0
WATER BY	UM18	NATIONA	MDAX03X1		31-0CT-95	13-NOV-95	v	4.4	Ten	0.0
IN WATER BY	UMIS	NADNPA	MXAX03X1		31-0CT-95	13-NOV-95	v	+.+	nor	0.0
IN WATER BY	1418	NADAPA	MDG307X1		31-0CT-95	13-NOV-95	v	7:	UGE	0.0
IN WATER BY	CH19	NACHAR	MXG307X1		31-0CT-95	13-NOV-95	v	+.4	UGE	0.0
IN WATER BY	CM18	NNONPA	MXZW12X3	DV4W*275 WDHI	02-NOV-95	05-DBC-95	v	4.4	ngr n	0.0
IN WATER BY	CM18	MADNEA	MDZW12X3	DV4W*450 WDHI	02-NOV-95	05-DBC-95	v	1.4	ner	0.0
BY	UMIB	NADNPA	WDS703XX	DV4W*432 WDWH	13-8RP-95	27-SEP-95	v	1 .	UGT	0.0
BNA'S IN WATER BY GC/MS	UMIB	NACHORA	WX5703XX	DV4W*202 WDWH	13-SRP-95	26-SEP-95	v	† :	UGT	0.0
BNA'S IN WATER BY GC/MS	1141	ARCINA	MDAXOLX	TV4W+447 WHPT	11-OCT-95	13-WW-95	,		TEST.	•
IN WATER BY	CHIE	NADPA	MXAX03X1		31-0CT-95	13-NOV-95	, ,	· M	ner n	. 0
IN WATER BY	UM18	NNDPA	MXG307X1		31-0CT-95	13-NOV-95	· •	m	ner	0.0
IN WATER BY	UM18	NACOPA	MDG307X1	DV4M*448 WDFI	31-0CT-95	13-NOV-95	v	e	COL	0.0
IN WATER BY	UM18	NADPA	MDZW12X3	DV4W*450 WDHI	02-NOV-95	05-DBC-95	v	М	USIL	0.0
IN WATER BY	UM18	NEDPA	MXZW12X3		02-NOV-95	05-DBC-95	v	m	UGIT	0.0
IN WATER BY	UM18	NADPA	WX5703XX		13-88P-95	26-SEP-95	•	m	nar	0.0
BNA'S IN WATER BY GC/HS	UM18	NNDPA	WD5703XX	DV4W*432 WDWH	13-SRP-95	27-SRP-95	v	m	nar	0.0
BNA'S IN WATER BY GC/MS	UM18	PCB016	MDAX03X1	DV4W*447 WDFI	31-0CT-95	13-NOV-95	٧	21	Ten	0.0
IN WATER BY	UM18	PCB016	MXAX03X1	DV4W*235 WDFI	31-0CT-95	13-NOV-95	v	21	UGL	0.0
IN WATER BY	UNTB	PCB016	MXG307X1		31-0CT-95	13-NOV-95	v	21	UGE	0.0
IN WATER BY	UMT8	PCB016	MDG307X1		31-0CT-95	13-NOV-95	v	71	COL	0.0
IN WATER BY	UM18	PCB016	MXZW12X3		02-NOV-95	05-DBC-95	•	71	OGE	0.0
IN WATER BY	CM18	PCB016	MDZW12X3	DV4W*450 WDHI	_	05-DBC-95	v	21	nar	0.0
IN WATER BY	CM18	PCB016	WX5703XX		13-SEP-95	26-SRP-95	v	71	ner	0.0
BNA'S IN NATER BY GC/MS	UM18	PCB016	WD5703XX	DV4W*432 NDWH	13-SEP-95	27-SBP-95	v	77	ner	0.0
BNA'S IN WATER BY GC/MS	UMIS	PCB221	MDAX03X1	DV4W*447 WDPI	31-0CT-95	13-NOV-95	v	21	nat.	0.0
IN WATER BY	UM18	PCB221	MXAX03X1	DV4M*235 WDFI	31-0CT-95	13-NOV-95	•	21	COL	0.0
IN WATER BY	UM18	PCB221	MXG307X1	DV4W*165 NDFI	31-0CT-95	13-NOV-95	v	21	ner	0.0
BNA'S IN WATER BY GC/MS	UM18	PCB221	MDG307X1	DV4W*448 WDFI	31-0CT-95	13-NOV-95	•	21	UGL	0.0

Chemical Quality Control Report Installation: Fort Devens, MA (DV) Group 2, 7 Sites

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Method Description	IRDMIS Method Code	Test	IRDMIS Field Sample Number	Lab Number Lot	Sample Date	Analysis Date	v	Value	Unite	RPD
BNA'S IN WATER BY GC/MS	UM18	PCB221	MXZW12X3	DV4W*275 WDHI	02-NOV-95	05-DBC-95		21	UGI	
IN WATER BY		PCB221	MDZW12X3	DV4W*450 WDHI	02-NOV-95	05-DBC-95	v	21	UGE	0.0
BY	_	PCB221	WX5703XX		13-SEP-95	26-SBP-95	v	21	OGL	0.0
BNA'S IN WATER BY GC/MS	UM18	PCB221	WD5703XX	DV4W*432 MDWH	13-SEP-95	27-SBP-95	v	21	ner n	0.0
BNA'S IN WATER BY GC/MS	UM18	PCB232	MDAX03X1	DV4W*447 WDFI	31-0CT-95	13-NOV-95	v	21	ner	0.0
IN WATER BY	_	PCB232	MXAX03X1		31-0CT-95	13-NOV-95	v	21	nar	0.0
BNA'S IN WATER BY GC/MS	UM18	PCB232	MXG3 07X1	DV4W*165 WDPI	31-0CT-95	13-NOV-95	v	21	UGI	0.0
BNA'S IN WATER BY GC/MS	. UM18	PCB232	MDG307X1	DV4W*448 WDFI	31-0CT-95	13-NOV-95	v	21	COL	0.0
BNA'S IN WATER BY GC/MS	UM18	PCB232	MXZW12X3	DV4W*275 WDHI	02-NOV-95	05-DBC-95	v	21	UGE	0.0
BNA'S IN WATER BY GC/MS		PC8232	MDZW12X3	DV4W*450 WDHI	02-NOV-95	05-DBC-95	v	21	מפני	0.0
BNA'S IN WATER BY GC/MS	UM18	PCB232	WX5703XX	DV4W*202 NDWH	13-SEP-95	26-88P-95	v	21	UGIT	0.0
BNA'S IN WATER BY GC/MS	UM18	PCB232	WD5703XX	DV4M*432 NDWH	13-SEP-95	27-SBP-95	v	77	720	0.0
ONA 20 VO STATES OF STATES		000043	WDAY 03 Y1	TUTA 444 WINDT	31 - OCT - 95	13-WW-65		5		c
TN WATER BY	_	270	WYSAYO2Y1	TOTAL SECTION	21 -O-T- 95	13-MTV-95	′ \	2		
IN WATER BY	_	PCB242	MXG3 07X1	DV4W*165 WDFI	31-0CT-95	13-NOV-95	, v	9 0	100	. 0
IN WATER BY	_	PCB242	MDG307X1	DV4W*448 WDFI	31-0CT-95	13-NOV-95	v	30	UGL	0.0
IN WATER BY	_	PCB242	MXZW12X3	DV4W*275 WDHI	02-NOV-95	05-DEC-95	v	30	ngr	0.0
IN WATER BY		PCB242	MDZW12X3	DV4W*450 WDHI	02-NOV-95	05-DBC-95	v	30	ner	0.0
BNA'S IN WATER BY GC/MS		PCB242	WXS703XX	DV4W*202 NDWH	13-SEP-95	26-SBP-95	v	30	OGE	0.0
BNA'S IN WATER BY GC/MS	UM18	PCB242	WD5703XX	DV4W*432 WDWH	13-SRP-95	27-8RP-95	v	30	UGE	0.0
BNA'S IN WATER BY GC/MS	UM18	PCB248	MDAX03X1	DV4W*447 WDPI	31-0CT-95	13-NOV-95	v	30	nar	0.0
WATER	CM18	PCB248	MXAX03X1	DV4W*235 NDFI	31-0CT-95	13-NOV-95	v	30	Ten	0.0
BNA'S IN WATER BY GC/MS	UM18	PCB248	MXG307X1	DV4W*165 WDPI	31-0CT-95	13-NOV-95	v	30	COL	0.0
BNA'S IN WATER BY GC/MS	UM18	PCB248	MDG307X1	DV4W*448 WDFI	31-0CT-95	13-NOV-95	v	30	COL	0.0
BNA'S IN WATER BY GC/MS	UM18	PCB248	MX ZW12X3	DV4N*275 WDHI	02-NOV-95	05-DEC-95	v	30	ngr n	0.0
BNA'S IN WATER BY GC/MS	UM18	PCB248	MDZW12X3	DV4W*450 WDHI	02-NOV-95	05-DEC-95	v	30	UGE	0.0
BNA'S IN WAITER BY GC/MS	UM18	PCB248	WX5703XX	DV4W*202 WDWH	13-SBP-95	26-SEP-95	v	30	UGE	0.0
BNA'S IN WATER BY GC/MS	UM18	PCB248	WD5703XX	DV4W*432 WDWH	13-SEP-95	27-SEP-95	ċ	30	ner	0.0
BNA'S IN WATER BY GC/MS	UM18	PCB254	MDAX03X1	DV4W*447 NDFI	31-0CT-95	13-NOV-95	v	36	COL	0.0

Chemical Quality Control Report Installation: Fort Devens, MA (DV) Group 2, 7 Sites

Mathod Description	IRDMIS Method	N 10 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	IRDMIS Field Sample	da a	3	Sample.	Analysis	,	1	1	Š
	3		Tecamou	Target				v :			2
IN WATER BY	CH18	PCB254	MXXX03X1	DV4W+235	_	31-0CT-95	13-NOV-95	v	36	USIT	0.0
IN WATER BY	CMI	PCB254	KKG307X1	DV4W*165	MOPI	31-0CT-95	13-NOV-95	v	36	ngr ·	0.0
IN WATER BY	CM18	PCB254	MDG307X1	DV4W*448	MOPI	31-0CT-95	13-NOV-95	v	36	nar nar	0.0
IN WATER BY	UM18	PCB254	MXZW12X3	DV4W*275	MOHI	02-NOV-95	05-DBC-95	v	36	ust	0.0
IN WATER BY	CH18	PCB254	MDZW12X3	DV4W*450	MOHI	02-NOV-95	05-DEC-95	v	36	ngr	0.0
IN WATER BY	1941	PCB254	WXS703XX	DV4W*202	HOM	13-8BP-95	26-SBP-95	•	36	מפר	0.0
BNA'S IN WATER BY GC/MS	UM18	PCB254	WD5703XX	DV4W*432	HMOM	13-SRP-95	27-SEP-95	•	36	nar	0.0
BWA'S IN WATER BY GC/MS	200.28	PCB260	MDAX 03X1	DV4W*447	IACM	31-0CT-95	13-NOV-95	٧	36	in	0
IN MATER BY	CM18	PCB260	HXXXX03X1	DV4W*235	_	31-0CT-95	13-NOV-95	, v	96	ngr Ogr	0
IN WATER BY	UM18	PCB260	MXG3 07X1	DV4W*165	_	31-0CF-95	13-NOV-95		36	USE	0.0
IN WATER BY	UM18	PCB260	MDG307X1	DV4W*448	MOPI	31-0CT-95	13-NOV-95	٧	36	OGL	0.0
IN WATER BY	GH18	PCB260	HXZW12X3	DV4W*275	ME	02-NOV-95	05-DBC-95	v	36	nar	0.0
IN WATER	UM18	PCB260	HDZW12X3	DV4W*450	FDHI	02-NOV-95	05-DRC-95	•	36	מפנ	0.0
IN WATER BY	CM18	PCB260	WX5703XX	DV4W*202	E S	13-SRP-95	26-8BP-95	•	36	nar	0.0
	UM18	PCB260	WD5703XX	DV4M*432	HMOM	13-SRP-95	27-8EP-95	v	36	nar	0.0
. :						!	;				
IN WATER BY		a di	MDAX 03X1	DV4W*447	_	31-0CT-95	13-NOV-95	v	=	199	0.0
IN WATER BY	CM18	<u>2</u>	HXXXX03X1	DV4W*235	_	31-0CT-95	13-NOV-95	•	18	nar	0.0
IN WATER BY	UM18	PCP	HXCO 07X1	DV4W*165	MOPI	31-0CT-95	13-NOV-95	•	7.0	nar	0.0
IN NATER BY	UMIB	PCP	MDG307X1	DV4W*448	-	31-0CT-95	13-NOV-95	v	18	790	0.0
IN WATER BY	UM18	<u>G</u>	HDZW12X3	DV4W*450	-	02-NOV-95	05-DBC-95	•	=	nat.	0.0
IN MATER BY	UM18	PCP	HXZW12X3	DV4W*275	MOHI	02-NOV-95	05-DBC-95	v	18	ngr	0.0
IN WATER BY	CM10	PCP PCP	ND5703XX	DV4W*432	E	13-SBP-95	27-8BP-95	v	=	nar	0.0
BNA'S IN WATER BY GC/MS	UMIB	2	WXS703XX	DV4W*202	MOWE	13-SEP-95	26-SBP-95	•	18	ngr	0.0
IN WATER BY	UM18	PHANTR	MDAX03X1	DV4M*447	MOPI	31-0CT-95	13-NOV-95	v	ĸ.	7en	0.0
IN MATER BY	UMIR	PHANTR	HXXXX03X1	DV4W*235	IAOM	31-0CT-95	13-NOV-95	v	v.	760	0.0
IN WATER BY	UM18	PHANTR	MXC307X1	DV4M*165	MOPI	31-0CT-95	13-NOV-95	v	'n	OGE	0.0
IN WATER BY	UMIS	PHANTR	MDG307X1	DV4W*448	MOPI	31-0CT-95	13-NOV-95	•	ĸ.	UGE	0.0
IN WATER BY	UMIB	PHANTR	KXZINZXH	DV4W*275	MOHI	02-NOV-95	05-DBC-95	•	s.	790	0.0
IN MATER BY	CH18	PHANTR	HDZW12X3	DV4W*450	IHQN	02-NOV-95	05-DBC-95	v	s.	ngr	0.0
BNA'S IN MATER BY GC/MS	418	PHANTR	WKS703XX	DV4W*202	HWCM	13-8EP-95	26-SBP-95	v	ĸ.	ngr	0.0

Chemical Quality Control Report Installation: Fort Devens, MA (DV) Group 2, 7 Sites

•	•																	•											
RPD	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	o o	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Value Unite	Ten	UGI	OGE	ner	Ten.	ngr	ner	ner	ngr	UGI	7gg	USL	UGE	UGE	OGL	OGE	Ten	UEL	ner	Ten	Ten	UGE	ngr	nar	Ten	UGE	ngr Cer	ner	JED.
Value	rë.	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	4	•	*	4	4	4	*	*	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	9.5	9.5	9.5	9.5
v	• • • • • • • • • • • • • • • • • • •	V	v	٧	٧	v	v	v	v	v	v	v	v	v	v	v	v	٠,	v	٧	v	v	v	v	v	V	v	v	v
Analysis Date	27-SRP-95	13-NOV-95	13-NOV-95	13-NOV-95	13-NOV-95	05-DBC-95	05-DBC-95	27-SBP-95	26-SEP-95	13-NOV-95	13-NOV-95	13-NOV-95	13-NOV-95	05-DBC-95	05-DBC-95	26-SBP-95	27-SRP-95	13-NOV-95	13-NOV-95	13-NOV-95	13-NOV-95	05-DBC-95	05-DBC-95	26-SRP-95	27-SBP-95	13-NOV-95	13-NOV-95	13-NOV-95	13-NOV-95
Sample Date	13-SBP-95	31-0CT-95	31-0CT-95	31-0CT-95	31-0CT-95	02-NOV-95	02-NOV-95	13-SRP-95	13-SEP-95	31-0CT-95	31-0CT-95	31-0CT-95	31-0CT-95	02-NOV-95	02-NOV-95	13-SBP-95	13-SRP-95	31-0CT-95	. 31-0CT-95	31-0CT-95	31-0CT-95	02-NOV-95	02-NOV-95	13-SBP-95	13-SBP-95	31-0CT-95	31-0CT-95	31-0CT-95	31-0CT-95
Lot	32 WDWH	17 WDPI	35 WDPI	IACM 81	SS WDPI	SO WIDHI	75 WDHI	32 NOWH	32 MDWH	14CM LI	35 WDPI	18 WDF1	SS WDPI	75 WDHI	SO WDHI	D2 NDWH	32 WDWH	TAUM L		18 WDFI	SS WOPI	SO WIDHI	75 WDHI	32 NOWH	32 WOWH	17 WDF1	15 WDPI	IACM 81	SS WDFI
Lab Number	DV4W+432	DV4W*447	DV4W*235	DV4W*448	DV4W*165	DV4W*450	DV4W*275	DV4W*432	DV4M*202	DV4W*447	DV4W*235	DV4W*448	DV4W*165	DV4W*275	DV4W*450	DV4W*202	DV4N*432	TN4W4447	DV4W*235	DV4W*448	DV4W*165	DV4W*450	DV4W*275	DV4W*202	DV4W*432	DV4W*447	DV4W*235	DV4W*448	DV4W*165
IREMIS Field Sample Number	WD5703XX	MDAX03X1	MXXXX03X1	MDC307X1	MXG307X1	MDZW12X3	MX ZW12X3	WD5703XX	WX5703XX	MDAX03X1	MXAX03X1	MDG307X1	MXG307X1	MXZW12X3	MDZW12X3	WX5703XX	WD5703XX	MORKOZKI	MCAX03X1	MDG307X1	MXG307X1	MDZW12X3	MXZW12X3	WX5703XX	WD5703XX	MDAX03X1	MXAX03X1	MDG307X1	MXG3 07X1
Test	PHANTR	PHENOL	PHENOL	PHENOL	PHENOL	PHENOL	PHENOL	PHENOL	PHENOL	OCCA	PPDDD	PPDDD	PPDDD	PPDDD	PPDDD	PPDDD	DEDDD	PPDDR	PPDDR	PPDDR	PPDDB	PPDDB	PPDDR	PPDDB	PPDDR	PPDOT	PPDDT	PPDDT	PPDDT
IRDMIS Method Code	UM18	UM18	UM18	UM18	UM18	UM18	UM18	UM18	ÚM18	UM16	UM18	UM18	UM18	UM18	UM18	UM18	UM18	11M1	UM18	UM18	UM18	UM18	CM18	UMIB	UM18	UM18	UM10	CM18	UM18
Method Description	BNA'S IN WATER BY GC/MS	BNA'S IN WATER BY GC/MS	IN WATER BY	IN WATER BY	IN WATER BY	IN WATER	WATER BY	IN WATER BY	IN WATER BY	BNA'S IN WATER BY GC/MS	IN WATER BY	IN WATER	IN WATER BY	WATER BY	BNA'S IN WATER BY GC/MS	BNA'S IN WATER BY GC/MS	IN WATER BY	PM/25 VE GETAW WI P. BUR	IN WATER BY	WATER	IN NATER BY	IN WATER BY	IN WATER BY	IN WATER BY	IN WATER BY	BNA'S IN NATER BY GC/MS	IN WATER	IN WATER BY	IN WATER BY

Chemical Quality Control Report Installation: Fort Devens, HA (DV) Group 2, 7 Sites

Method Description	IRDMIS Method Code	Test	IRCHIS Field Sample Number	Lab Number Lot	Sample Date	Analysis Date	· •	Value	Value Unite	Q
BNA'S IN WATER BY GC/MS	0.000	PPDOT	MDZW12X3	DV4W*450 WDHI	I 02-NOV-95	05-DRC-95		9.2	Irat.	
IN WATER	UMIB	PPDDT	MXZW12X3		_	05-DBC-95		6	193	0.0
IN WATER BY	UM18	PPDDT	WX5703XX	DV4N*202 WDWH	• •	26-8BP-95	v	9.5	nar	0.0
IN WATER BY	UM18	PPDDT	MD5703XX	DV4W*432 WDWH	H 13-68P-95	27-8RP-95		9.5	nat	0.0
BNA'S IN WATER BY GC/MS	UM16	PYR	MDAX03X1	DV4M*447 WDFI	I 31-0CT-95	13-NOV-95	٧		720	0.0
IN MATER BY	UM16	PYR	MXXX03X1	DV4W*235 NDPI		13-NOV-95	v	2.8	UGE	0.0
Z	UM18	PYR	MXG307X1	DV4W*165 MDFI	I 31-0CT-95	13-NOV-95	v	7.8	nar	0.0
IN MATER BY	UMIR	PYR	MDG307X1	DV4W*448 NDPI	I 31-0CT-95	13-NOV-95	v	7.8	UGE	0.0
IN WATER BY	UMIS	PYR	HX ZM12X3	DV4M*275 WDHI	I 02-NOV-95	05-DBC-95	•	3 .8	nor	0.0
WATER BY	UM18	PYR	MDZW12X3	DV4W*450 NDHI	I 02-NOV-95	05-DBC-95	•	2.8	nor	0.0
IN WATER BY	UM18	PYR	WD5703XX	DV4W*432 NDMH	H 13-SEP-95	27-8BP-95	•	3.8	nar	0.0
BNA'S IN WATER BY GC/MS	UM18	PYR	WX5703XX	DV4W*202 WDWH	H 13-8RP-95	26-SBP-95	v	7 .	nar	0.0
IN WATER BY	CMIR	TXPHRN	MDAX03X1	DV4W*447 WDFT	31-0CF-95	13-WW-95		ž	Har.	•
NATER BY	UMIE	TXPHEN	MXAX03X1			13-NOV-95		36	מפני	0
IN WATER	UM18	TXPHEN	MDG307X1		•	13-NOV-95	v	36	UGIT	0.0
WATER BY	UM16	TXPHEN	HXQ307X1	DV4M*165 WDPI	1 31-0CT-95	13-NOV-95	v	36	UGE	0.0
IN WATER BY	UMIR	TXPHEN	HDZW12X3	DV4M*450 WDHI	I 02-NOV-95	05-DBC-95	•	36	מפור	0.0
IN WATER BY	UM18	TXPHEN	MXZW12X3	DV4W*275 WDHI	I 02-NOV-95	05-DBC-95	v	36	ust	0.0
NATER BY	UM18	TXPHEN	WXS703XX		H 13-88P-95	26-SBP-95	•	36	nor	0.0
IN MATER BY	UMIB	TXPHEN	WD5703XX	DV4W+432 NDWH	1 13-88P-95	27-SBP-95	•	36	7en	0.0
IN WATER	UMIS	UNK522	MDAX03X1	DV4M*447 WDPI	I 31-0CI-95	13-NOV-95		10	nar	0.0
WATER BY	UM18	UNK522	MXAX03X1	DV4N*235 NDFI	I 31-0CT-95	13-NOV-95		10	USE	0.0
IN WATER	UM16	UNK522	MXG307X1	DV4W*165 WDFI	I 31-0CT-95	13-NOV-95		10	nar	22.2
WATER BY	UMIS	UNK522	MDG307X1	DV4W*448 WDPI	131-0CT-95	13-NOV-95		•	nor	22.2
IN WATER	UM20	111TCE	HXXXX03X1	DV4M*235 XDJN	N 31-OCT-95	07-NOV-95	•	'n	7en	0.0
IN WATER	UM20	111TCB	MDAX03X1			07-NOV-95	v	ĸ.	UGE	0.0
VOC'S IN WATER BY GC/MS	UM20	111TCE	MDG307X1	DV4N*448 XDJN	N 31-0CT-95	07-NOV-95	v	'n	nar.	0.0
IN WATER	UM20	111TCE	KKC307X1	DV4W*165 XDJN	N 31-0CT-95	96-NON-90	•	ı.	UGE	0.0

Chemical Quality Control Report Installation: Fort Devens, HA (DV) Group 2, 7 Sites

	Unite RPD	0°0 750 0°0 750 0°0 750	USI 0.0	USL 0.00 USL 0.00 USL 0.00 USL 0.00	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	1917 1917 1917 1917 1917 1917 1917 1917
	Value Unite	หน่างหน้	4444		ทัพัพัพัพัพั พั	
	v	. v v v v	v v v v	V V V V	* * * * * * *	v
samples)	Analysis Date	07-NOV-95 07-NOV-95 21-3RP-95 20-3BP-95	07-NOV-95 07-NOV-95 06-NOV-95	07-NOV-95 07-NOV-95 21-SRP-95 20-SRP-95	07-NOV-95 07-NOV-95 07-NOV-95 06-NOV-95 07-NOV-95	20-58P-95 07-NOV-95 07-NOV-95 07-NOV-95 07-NOV-95 07-NOV-95 21-58P-95
SAMPLE DUPLICATES (NON-PILITERED SAMPLES)	Sample Date	02-NOV-95 02-NOV-95 13-88P-95	31-0CT-95 31-0CT-95 31-0CT-95	02-NOV-95 02-NOV-95 13-58P-95 13-58P-95	31-0CT-95 31-0CT-95 31-0CT-95 31-0CT-95 02-NOV-95	•
2)		X X X X X X X X X X X X X X X X X X X				
R DUPLICAT	Lab Number	DV4W*275 XDJN DV4W*450 XDJN DV4W*432 XDCM DV4W*202 XDSM	DV4W*235 XDJN DV4W*447 XDJN DV4W*165 XDJN DV4W*448 XDJN	DV4W*450 XDKN DV4W*275 XDJN DV4W*432 XDOM DV4W*202 XDNM	DV4M*235 XDJN DV4M*447 XDJN DV4M*468 XDJN DV4M*165 XDJN DV4M*450 XDJN DV4M*450 XDJN	DV4N*235 XDJN DV4N*235 XDJN DV4N*165 XDJN DV4N*165 XDJN DV4W*450 XDJN DV4W*275 XDJN DV4W*272 XDJN
SAMPL	IRDMIS Field Sample Number	MXZM12X3 MDZM12X3 WD5703XX WX5703XX	MXAX03X1 MDAX03X1 MXG307X1 MDG307X1	MDZW12X3 MXZW12X3 WD5703XX WX5703XX	MXAXO3X1 MDAXO3X1 MDG3 07X1 MXG3 07X1 MXZM12X3 MDZM12X3	MC5703XX MX5X03X1 MDAX03X1 MDG307X1 MDG307X1 MDZ312X3 MX5703XX WX5703XX
	Teet Nebe	1117CB 1117CB 1117CB 1117CB	112TCB 112TCB 112TCB 112TCB	112TCB 112TCB 112TCB 112TCB	11DCB 11DCB 11DCB 11DCB 11DCB	110CB 110CCB 110CCB 110CCB 110CCB 110CCB 110CCB
	IRDMIS Method Code	UM20 UM20 UM20 UM20	UM20 UM20 UM20 UM20	UM20 UM20 UM20 UM20	UM20 UM20 UM20 UM20 UM20	UN20 UN20 UN20 UN20 UN20 UN20
	Method Description	VOC'S IN WATER BY GC/MS VOC'S IN WATER BY GC/MS VOC'S IN WATER BY GC/MS VOC'S IN WATER BY GC/MS	VOC'S IN WATER BY GC/MS VOC'S IN WATER BY GC/MS VOC'S IN WATER BY GC/MS VOC'S IN WATER BY GC/MS	IN WATER BY IN WATER BY IN WATER BY IN WATER BY	VOC'S IN WATER BY GC/MS VOC'S IN WATER BY GC/MS	IN WATER BY IN WATER BY IN WATER BY IN WATER BY IN WATER BY IN WATER BY IN WATER BY IN WATER BY IN WATER BY IN WATER BY

Chemical Quality Control Report Installation: Fort Devens, MA (DV) Group 2, 7 Sites

:	IRDNIS	10 et	IRDMIS Field Sample	·	••	e[due]	Analysis		1		
Method Description	.	Nabe	Number	Number Lo	. D	Dete	Date	v :	Valu	Value Units	Z E
IN WATER	UM20	12DCB	MXAX03X1			11-0CT-95	07-NOV-95	v	s.	nar	0.0
IN NATER BY	UM20	12DCB	MXG307X1		•	31-OCT-95	06-NOV-95	v	ĸ.	Ten	. 0.0
IN WATER BY	UM20	12DCR	MDG307X1		•	31-0CT-95	07-NOV-95	v	ĸ.	ngr	0.0
IN WATER BY	UM20	12DCB	MX ZW1 2 X 3	DV4W*275 XD	XDZN 02	02-NOV-95	07-NOV-95	v	'n	nar	0.0
IN MATER BY	CM20	12DCB	MD2W12X3			02-NOV-95	07-NOV-95	v	'n	UGE	0.0
IN WATER BY	CM20	12DCB	WD5703XX	DV4W*432 XD	XDOM 13	13-SRP-95	21-SRP-95	v	٠.	ner	0.0
VOC'S IN WATER BY GC/MS	CM20	12DCB	WX5703XX	DV4W*202 XD	ET WACK	13-SBP-95	20-SBP-95	v	'n	ner	0.0
VOC'S IN WATER BY GC/MS	UM20	12DCLR	MDAX03X1	DV4W*447 XD	XDJN 31	31-0CT-95	07-NOV-95	v	ī.	UGE	0.0
IN WATER BY	UM20	12DCLR	MXAX03X1	DV4W*235 XD	XDJN 31	31-OCT-95	07-NOV-95	v	'n	CGL	0.0
IN WATER	UM20	12DCLB	MXG307X1	DV4W*165 XD		31-0CT-95	06-NOV-95	v	.5	ner	0.0
IN WATER BY	UM20	12DCLE	MDG307X1		• •	31-0CT-95	07-NOV-95	v	s.	TO)	0.0
IN WATER BY	UMZO	12DCLB	MX ZW12X3		_	02-NOV-95	07-NOV-95	•	ĸ.		0.0
IN WATER	UM20	12DCLB	MDZW12X3			02-NOV-95	07-NOV-95	v	s.		0.0
IN WATER BY	UM20	12DCLR	WD5703XX		• •	13-SBP-95	21-SRP-95	v	'n	UGL	0.0
VOC'S IN WATER BY GC/MS	UM20	12DCLB	WX5703XX	DV4W*202 XD	XDX 13	13-SBP-95	20-SRP-95	v	s.	UGE	0.0
VOC'S IN WATER BY GC/MS	UM20	12DCLP	MDAX03X1	DV4W*447 XD	XDJN 31	31-0CT-95	07-NON-95		4	TEST.	c
IN WATER BY	UM20	12DCLP	MXAX03X1	DV4W*235 XD		31-0CT-95	07-NOV-95	· v	Į.	UGE	0.0
IN WATER	UM20	12DCLP	MDG307X1	DV4W*448 XD	XDXN 31	31-0CT-95	07-NOV-95	v	s.	מפני	0.0
IN WATER BY	UMZO	12DCLP	MXG307X1	DV4W*165 XD	E NUCL	31-0CT-95	06-NOV-95	•	'n	COL	0.0
IN WATER BY	UM20	12DCLP	MDZW12X3			02-NOV-95	07-NOV-95	•	s.		0.0
IN WATER BY	UM20	12DCLP	MXZW12X3			02-NOV-95	07-NOV-95	v	s.		0.0
IN WATER	UM20	12DCLP	WD5703XX		XDOM 13	13-SEP-95	21-SRP-95	•	s.	ner	0.0
VOC'S IN WATER BY GC/MS	UM20	12DCLP	WXS703XX	DV4W*202 XD	CT MACK	13-SEP-95	20-SRP-95	v	5.	ngr	0.0
IN WATER BY	UM20	2 CLEVE	MDAX03X1	DV4W*447 XD	XDJN 31	31-0CT-95	07-NOV-95	v	.71	nar	0.0
IN WATER	UM20	2CLEVB	MXAX03X1	DV4M*235 XD	XDZN 31	31-0CT-95	07-NOV-95	•	.71	COL	0.0
IN WATER BY	UM20	2CLEVB	MXG307X1			31-0CT-95	06-NOV-95	•	.71	ner n	0.0
IN WATER BY	UM20	2CLEVE	MDG307X1			31-0CT-95	07-NOV-95	v	.71	Ten	0.0
IN WATER	UM20	2 CLEVB	MDZW12X3			02-NOV-95	07-NOV-95	•	71	ngr	0.0
IN WATER BY	UM20	2CLEVE	MXZW12X3			02-NOV-95	07-NOV-95	v	.71	ner	0.0
VOC'S IN WATER BY GC/HS	UM20	2 CLISVE	WD5703XX	DV4W*432 XD	XDOM 13	13-SRP-95	21-SBP-95	v	.71	Ten	0.0

Chemical Quality Control Report Installation: Fort Devens, MA (DV) Group 2, 7 Sites

Mathod Description	IRDMIS Method Code	Test Namo	IRUMIS Field Sample Number	Lab Number Lot	Sample Date	Analysis Date	v	Value Unite	Unite	RPD
VOC'S IN WATER BY GC/MS	UM20	2 CLRVB	WX5703XX	DV4W*202 XDNM	13-SEP-95	20-SBP-95	v	.71	ng r	0.0
VOC'S IN WATER BY GC/MS	UM20	ACET	MDAX03X1	DV4W*447 XDJN	31-0CT-95	07-NOV-95	v	13	UGE	0.0
IN WATER BY	UM20	ACET	MXAX03X1	DV4W*235 XDJN	31-0CT-95	07-NOV-95	v	13	ngr ngr	0.0
IN WATER BY	UM20	ACIET	MCG3 07X1	DV4W*165 XDJN	31-0CT-95	96-VON-90	V	13	ner	0.0
IN WATER BY	UM20	ACET	MDG307X1		31-0CT-95	07-NOV-95	v	13	UGE	0.0
IN WATER BY	UMZO	ACET	PCK ZW12X3		02-NOV-95	07-NOV-95	v	13	UGIT	0.0
IN WATER BY	UM20	ACET	MDZW12X3		02-NOV-95	07-NOV-95	v	13	UGE	0.0
WATER BY	UM20	ACET	WD5703XX		13-SBP-95	21-SRP-95	v	13	UGE	0.0
VOC'S IN WATER BY GC/MS	UM20	ACET	WX5703XX	DV4W*202 XDNM	13-SRP-95	20-SRP-95	v	13	ner	0.0
PM/25 VR GETEW NT BICCU	O CHILL	NICOCA	MDAY02X1	MUAW*447 XDIN	31-OCT-95	07-WW-95	•		iret.	0
IN WATER BY	13420	ACROTA	MXAX03X1		31-007-95	07-NOV-95	, v	100	UCST	0.0
IN WATER BY	UM20	ACROLM	MXG3 07X1		31-0CT-95	06-NOV-95	· •	100	UGIT	0.0
IN WATER	UM20	ACROLN	MDG307X1	DV4W*448 XDJN	31-0CT-95	07-NOV-95	v	100	UGE	0.0
VOC'S IN WATER BY GC/MS	UM20	ACROLN	MXZW12X3	DV4W*275 XDJN	02-NOV-95	07-NOV-95	v	100	USIT	0.0
VOC'S IN WATER BY GC/MS	UM20	ACROLIN	MDZW12X3	DV4W*450 XDRN	02-NOV-95	07-NOV-95	v	100	ner	0.0
VOC'S IN WATER BY GC/MS	UM20	ACROLN	WD5703XX	DV4W*432 XDOM	13-SBP-95	21-SBP-95	v	100	UGL	0.0
VOC'S IN WATER BY GC/MS	UM20	ACROLN	WX5703XX	DV4W*202 XDNM	13-SEP-95	20-SEP-95	v	100	ner	0.0
VOC'S IN WATER BY GC/MS	UM20	ACRYLO	MDAX03X1	DV4W*447 XDJN	31-0CT-95	07-NOV-95	٧	100	ngr	0.0
BY	UM20	ACRYLO	MXAX03X1	DV4W*235 XDJN	31-0CT-95	07-NOV-95	v	100	ner	0.0
VOC'S IN WATER BY GC/MS	UM20	ACRYLO	MDG307X1	DV4W*448 XDJN	31-0CT-95	07-NOV-95	v	100	ner	0.0
BX	UM20	ACRYLO	MXG3 07X1	DV4W*165 XDJN	31-0CL-95	06-NOV-95	v	100	ngr	0.0
VOC'S IN WATER BY GC/MS	UM20	ACRYLO	MDZW12X3	DV4W*450 XDKN	02-NOV-95	07-NOV-95	v	100	UGL	0.0
VOC'S IN WATER BY GC/MS	UM20	ACRYLO	MXZW12X3	DV4W*275 XDJN	02-NOV-95	07-NOV-95	v	100	UGE	0.0
	UM20	ACRYLO	WD5703XX	DV4W*432 XDOM	13-SRP-95	21-SRP-95	v	100	UGE	0.0
VOC'S IN WATER BY GC/MS	UM20	ACRYLO	WX5703XX	DV4W*202 XDNM	13-SRP-95	20-SBP-95	v	100	ngr n	0.0
VOC'S IN WATER BY GC/MS	UM20	BRDCIA	MDAX 03 X1	DV4W*447 XDJN	31-0CT-95	07-NOV-95	- v	65	TEXT	0.0
IN WATER BY	UM20	BRDCLM	MXAX03X1	DV4W*235 XDJN	31-0CT-95	07-NOV-95	·	.59	USI	0.0
Z	UM20	BRDCLM	MDG307X1	DV4W*448 XDJN		07-NOV-95	v	. 59	ner	0.0
VOC'S IN WATER BY GC/MS	UM20	BRDCIM	MXG3 07X1	DV4W*165 XDJN	31-0CT-95	06-NOV-95	v	.59	ner	0.0

Chemical Quality Control Report Installation: Fort Devens, NA (DV) Group 2, 7 Sites

Method Description	IRDMIS Method Code	Test Name	IRDMIS Field Sample	Lab Nmber	ž Š	Sample Date	Analysis Date	v	Value	Value Units	RPO
IN WATER BY	UM20	BRDCLA	MXZW12X3	DV4W*275	XDZN	02-NOV-95	07-NOV-95	; ; v	63.	i iii	0.0
	UM20	BRDCLM	MDZW12X3	DV4W*450	XDKN	02-NOV-95	07-NOV-95	v	.59	UGE	0.0
IN WATER BY	UM20	BRDCLM	WD5703XX		MODX	13-589-95	21-SRP-95	v	.59	_	0.0
VOC'S IN WATER BY GC/MS	UM20	BRDCLM	WX5703XX	DV4W*202	NA CA	13-SEP-95	20-SEP-95	v	. 59	nar	0.0
VOC'S IN WATER BY GC/MS	UM20	C13DCP	MDAX03X1	DV4W*447	XCOX	31-0CT-95	07-NOV-95	v		nar	0.0
IN WATER BY	UM20	C13DCP	MXXXX03X1	DV4W*235	XI NEGOX	31-0CT-95	07-NOV-95	•	.58	700	0.0
IN WATER BY	UM20	C13DCP	MDG307X1	DV4W*448	XCOX	31-0CT-95	07-NOV-95	v	.58	מפני	0.0
IN WATER BY	OM20	C13DCP	MXG307X1	DV4W*165	NS OX	31-0CT-95	06-NOV-95	•	.58	nor	0.0
IN WATER BY	UM20	C13DCP	MXZW12X3	DV4W*275	XDZX	02-NOV-95	07-NOV-95	v	.58	COL	0.0
IN WATER BY	UM20	C13DCP	MDZW12X3	DV4M*450	XDKON	02-NOV-95	07-NOV-95	v	.58	מפר	0.0
IN WATER BY	UM20	C13DCP	WD5703XX		XDOM	13-SBP-95	21-SRP-95	v	.58	nar	0.0
VOC'S IN WATER BY GC/MS	UMZO	C13DCP	WX5703XX	DV4M*202	MACK.	13-SRP-95	20-SEP-95	v	.58	Ten	0.0
OC'S IN WATER BY GOVE	1800	200	WDBYG2X1	TM7.4 10 4 4 4 7	2	9. 100	10 - 13 AM	,	•	į	(
THE WATER DA		2000	1400000			21-00-10	CC-ACM-10	v	7.	7	0.0
IN MALKK BI	0250	CZAVB	MXAX03X1	DV4W*235	XOX	31-OCT-95	07-NOV-95	v	e.	ner	0.0
IN WATER BY	O#20	CZAVB	MXG307X1	DV4W*165	25	31-0CT-95	06-NOV-95	v	8 .3	UGE	0.0
IN WATER BY	UM20	CZAVB	MDG307X1	DV4W*448	XDX	31-0CT-95	07-NOV-95	v		UGE	0.0
IN WAITER BY	UM20	C2 AVB	MDZW12X3	DV4W*450	X Q Q	02-NOV-95	07-NOV-95	v	8	nar	0.0
IN WATER BY	UMZO	C2AVB	MXZW12X3	DV4W*275	XOX	02-NOV-95	07-NOV-95	v	8.3	UGE	0.0
IN WATER BY	UM20	C2AVB	WD5703XX	DV4W*432	XDOX	13-SEP-95	21-SEP-95	v	6.3	ner	0.0
VOC'S IN WATER BY GC/MS	CM20	CZAVE	WX5703XX	DV4W*202	XOX	13-SRP-95	20-SRP-95	v	8.3	Ten	0.0
VOC'S IN WATER BY GC/MS	UM20	C2H3CL	MXAX03X1	DV4W*235	XCOX.	31-0CT-95	07-NOV-95	٧	7.0	790	0.0
IN WATER BY	UM20	CZHDCL	MDAX03X1	DV4M*447	X	31-0CT-95	07-NOV-95	v	7.6	ner	0.0
IN WATER BY	UM20	CZHDCL	MDG307X1	DV4W*448	<u>X</u>	31-0CT-95	07-NOV-95	v	7.6	מפני	0.0
IN WATER BY	UNZO	CHRICE	MXG307X1	DV4W*165	K	31-0CT-95	06-NOV-95	•	7.6	ner	0.0
IN WATER BY	UM20	CHRICE	MXZW12X3	DV4W*275	X	02-NOV-95	07-NOV-95	v	2.6	ner	0.0
IN WATER BY	UM20	OHOC	MDZW12X3	DV4N*450	XDX	02-NOV-95	07-NOV-95	v	7.6	7EO	0.0
IN WATER BY	UMZO	CHOC	WD5703XX	DV4W*432	XDOM	13-SEP-95	21-SBP-95	v	7.6	net	0.0
VOC'S IN WATER BY GC/MS	UMZO	CZHDCL	WX5703XX	DV4W*202	ŽQ.	13-SRP-95	20-SRP-95	v	7.6	je Naf	0.0
VOC'S IN WATER BY GC/MS	UM20	CZHSCL	MDAX03X1	DV4W*447 XDJN		31-0CT-95	07-NOV-95	٧	1.9	ner.	0,0
								,	i	1	:

Chemical Quality Control Report Installation: Fort Devens, MA (DV) Group 2, 7 Sites

Method Description	IRDMIS Method Code	Test Name	IRUMIS Field Sample Number	Lab Number Lot	Sample Date	Analysis Date	· v	Value	Value Unite	RPD
VOC'S IN WATER BY GC/MS	UM20	C2HSCL	MXAX03X1	DV4W*235 XDJN	31-0CT-95	07-NOV-95	v	1.9	ner	. 0.0
VOC'S IN WATER BY GC/MS	UM20	C2H5CL	MXG307X1	DV4W*165 XDJN	31-0CT-95	06-VOV-95	v	1.9	UGL	0.0
BY	UM20	C2H5CL	MDG307X1	DV4W*448 XDJN	31-0CT-95	07-NOV-95	v	1.9	UGE	0.0
BY	CM20	C2H5CL	MDZW12X3	DV4W*450 XDKN	02-NOV-95	07-NOV-95	•	1.9	ngr	0.0
IN WATER BY	UM20	C2HSCL	MXZW12X3	DV4W*275 XDJN	02-NOV-95	07-NOV-95	v	1.9	UGE	0.0
VOC'S IN WATER BY GC/MS	UM20	C2H5CL	WD5703XX	DV4W*432 XDOM	13-SBP-95	21-SBP-95	v	1.9	ner	0.0
IN WATER BY	UM20	C2H5CL	WX5703XX	DV4W*202 XDNM	13-8BP-95	20-SEP-95	v	1.9	UGL	0.0
VOC'S IN WATER BY GC/MS	UM20	Сене	MDAX03X1	DV4W*447 XDJN	31-0CT-95	07-NOV-95	v	Ś	ner	0.0
VOC'S IN WATER BY GC/MS	UM20	C6H6	MXAX03X1	DV4W*235 XDJN	31-0CT-95	07-NOV-95	•	ĸ.	nar	0.0
BY	UM20	Сене	MDG307X1	DV4W*448 XDJN	31-0CT-95	07-NOV-95	v	7.	UGE	0.0
VOC'S IN WATER BY GC/MS	UM20	Сене	MXG307X1	DV4W*165 XDJN	31-0CT-95	96-NON-90	v	'n	UGL	0.0
VOC'S IN WATER BY GC/MS	UM20	C6H6	MXZW12X3	DV4W*275 XDJN	02-NOV-95	07-NOV-95	•	'n	nar	0.0
VOC'S IN WATER BY GC/MS	UM20	C6H6	MDZW12X3	DV4W*450 XDKN	02-NOV-95	07-NOV-95	v	'n.	UGE	0.0
VOC'S IN WATER BY GC/MS	UM20	Сене	WD5703XX	DV4W*432 XDOM	13-SBP-95	21-SBP-95	•	'n	UGE	0.0
VOC'S IN WATER BY GC/MS	UM20	Сене	WX5703XX	DV4W*202 XDNM	13-SRP-95	20-SRP-95	v	15	ner	0.0
VOC'S IN WATER BY GC/MS	UM20	CCL3P	MDAX03X1	DV4W*447 XDJN	31-0CT-95	07-NOV-95	v	1.4	USE	0.0
IN WATER BY	UM20	CCL3P	MXAX03X1	DV4W*235 XDJN	31-0CT-95	07-NOV-95	v	1.4	nor	0.0
VOC'S IN WATER BY GC/MS	UM20	CCL3F	MDG307X1	DV4W*448 XDJN	31-0CT-95	07-NOV-95	v	1.4	UGE	0.0
VOC'S IN WATER BY GC/MS	UM20	CCL3F	MXG307X1	DV4W*165 XDJN	31-0CT-95	06-NOV-95	v	1.4	71501	0.0
VOC'S IN WATER BY GC/MS	UMZO	CCL3P	MXZW12X3	DV4W*275 XDJN	02-NOV-95	07-NOV-95	v	1.4	ner	0.0
VOC'S IN WATER BY GC/MS	UM20	CCL3P	MDZW12X3	DV4W*450 XDKN	02-NOV-95	07-NOV-95	v	1.4	UGE	0.0
S IN WATER BY G	UMZO	CCL3P	WD5703XX		13-SBP-95	21-SBP-95	•	1.4	UGE	0.0
VOC'S IN WATER BY GC/MS	UM20	CCL3F	WX5703XX	DV4W*202 XDNM	13-SBP-95	20-SEP-95	v	1.4	ner	0.0
VOC'S IN WATER BY GC/MS	UM20	CCLA	MDAX03X1	DV4W*447 XDJN	31-0CT-95	07-NOV-95	v	. 58	ner	0.0
VOC'S IN WATER BY GC/MS	UM20	7100 CCI.	MXAX03X1	DV4W*235 XDJN	31-0CT-95	07-NOV-95	v	.58	ner	0.0
VOC'S IN WATER BY GC/MS	UM20	4 100	MXG307X1	DV4W*165 XDJN	31-0CT-95	06-NOV-95	v	. 58	UGE	0.0
VOC'S IN WATER BY GC/MS	UM20	CCI.	MDG307X1	DV4W*448 XDJN	31-0CT-95	07-NOV-95	•	.58	ner	0.0
IN WATER BY	UM20	CCIA	MDZW12X3	DV4W*450 XDKN	02-NOV-95	07-NOV-95	v	.58	ner	0.0
IN WATER BY	UM20	CCIT	MXZW12X3		02-NOV-95	07-NOV-95	•	.58	UGL	0.0
VOC'S IN WATER BY GC/MS	UMZO	VID:	WD5703XX	DV4W*432 XDOM	13-SBP-95	21-SBP-95	v	.58	ngr Mar	0.0

Chemical Quality Control Report Installation: Fort Devens, MA (DV) Group 2, 7 Sites

			SAMPLE	DUPLICATE	NON) S	SAMPLE DUPLICATES (NON-PILITERED SAMPLES)	MPLRS)				
Method Description	IRDNIS Method Code	Test Name	IRDMIS Pield Sample Number		Lot	Sample Date	Analysis Date	v	Value	Value Units	8
VOC'S IN WATER BY GC/MS	UMIZO	OCI.4	WX5703XX	DV4W*202 XDNW	XDX	13-SEP-95	20-SEP-95		. 58	ner	6
SA/20 VE STAN WATER BY CO.	007	6 20 6 20 6 20 6 20 6 20 6 20 6 20 6 20	MUNACONA	MILES TALES		30.750.16	20 - MAY - 20	,	•	į	•
WATER BY			TACOARA	NOON ARCHITA		31-001-95	07 NOV-95	v	7. 6	3	
IN WATER BY	CM20	GH2CL2	MDG307X1	DV4W*448		31-0CT-95	07-YOK-95	v v	7 6		
WATER BY	UMZO	CH2CL2	MXG307X1	DV4W*165	X	31-0CT-95	06-NOV-95		7.3	UGE	
Z	UM20	CH2CL2	MXZW12X3	DV4W*275	XEGX	02-NOV-95	07-NOV-95	v	2.3	ngr	Ö
WATER BY	UM20	CH2CL2	MDZW12X3	DV4W*450	XDKN	02-NOV-95	07-NOV-95	v	2.3	UGL	0
IN WATER BY	UM20	CH2CL2	WX5703XX	DV4W*202	X DV	13-SBP-95	20-SBP-95		4.4	COL	+
VOC'S IN WATER BY GC/MS	UM20	CH2CL2	WD5703XX	DV4W*432	XDOM	13-SBP-95	21-3BP-95	v	2.3	UGI	4
VOC'S IN WATER BY GC/MS	UM 20	CHOBR	MDAX03X1	DV4W*447 XDJN	NC OX	31-0CT-95	26-VON-70	•	ď	IEST.	c
VOC'S IN WATER BY GC/MS	UM20	CHIBBR	MXAX03X1	DV4W*235	XDZIX	31-OCT-95	07-NOV-95	v	œ.	USE	0
	UM20	CH3BR	MXG307X1	DV4W*165	XCQX	31-OCT-95	06-NOV-95	v	5.8	ner	0
IN WATER BY	UM20	CH3BR	MDG307X1	DV4H*448	XDCIN	31-OCT-95	07-NOV-95	•	8.	UGE	0
IN WATER BY	UM20	CH3BR	MDZW12X3		XOKN	02-NOV-95	07-NOV-95	v	5.8	ner	0
IN WATER BY	UMZO	CH3BR	MXZW12X3	DV4W*275	X N N	02-NOV-95	07-NOV-95	v	5.8	OGE	0
IN WATER	UM20	CHIBBR	WD5,703XX	DV4W*432	MOOK	13-SBP-95	21-SEP-95	v	5.8	ner	0
ADC'S IN WATER BY GC/MS	UM2 0	CH3BR	WXS703XX	DV4W*202	ENGX.	13-SEP-95	20-SRP-95	v	S.	ner	•
OC'S IN WATER BY GC/MS	UM20	900	MDAX03X1	DV4W*447 XDJN	NI OX	31-0CT-95	07-NOV-95	•	2	DEST.	c
AC'S IN WATER BY GC/MS	UM20	CHBCL	HDCAX03X1	DV4W*235 2	XDOX	31-OCT-95	07-NOV-95	v	3.5	ner	0
	UM20	CHD CL	MDG307X1	DV4W*448 XDJN	250	31-0CT-95	07-NOV-95	v	3.2	ner	0
IN WATER BY	UM20	CHBCL	MXG307X1	DV4W*165 2	XDX	31-0CT-95	06-NOV-95	v	3.5	ner	•
IN WATER	UM20	GEOGL	MXZW12X3	DV4W*275 2	XECT	02-NOV-95	07-NOV-95	v	3.5	ner	
IN WATER BY	UM20	CHD CE	MDZW12X3	DV4M*450)	XOX	02-NOV-95	07-NOV-95	v	3.2	ner	0
IN WATER BY	UM20	<u>a</u>	WDS703XX	DV4W*432	¥00X	13-382-95	21-SRP-95	v	3.2	ner	•
AC'S IN WATER BY GC/MS	UM20	900	WX5703XX	DV4W*202)	XOX	13-SBP-95	20-SEP-95	v	3.2	ner	•
OC'S IN WATER BY GC/MS	UM20	CABRO	MXAX03X1	DV4W*235 XDJN	NG Q	31-0CT-95	07-NOV-95	•	5.6	ner	o
BX	UM20	CHBR3	MDAX03X1	DV4M*447 XDJN	NE O	31-0CT-95	07-NOV-95		7.6	UGE	
IN WATER BY	UM20	CABR3	MXC307X1	DV4W*165 XDJN	NCOX NCOX	31-0CT-95	06-NOV-95	v	7.6	UGE	0
OC'S IN WATER BY GC/MS	UNI20	CHBR3	MDG307X1	DV4W*448 XDJN	1 00	31-0CT-95	07-NOV-95	•	7.6	ner	•

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	Value	2.6	2.6	. S.	. K.	úrůrů	999	2 2 2	999.	ri ri	irini	พ์พำพำ	'n.
	v	; ; v v v ;	v	v	v ,	v v v	v v v	, v v	v v v	v v '	, , ,	· • • •	v
Amples)	Analysis Date	07-NOV-95 07-NOV-95 21-58P-95	20-SBP-95 07-NOV-95	07-NOV-95 06-NOV-95	07-NOV-95 07-NOV-95	21-SBP-95 20-SBP-95	07-NOV-95 07-NOV-95	06-NOV-95 07-NOV-95	07-NOV-95 21-SEP-95 20-SEP-95	07-NOV-95 07-NOV-95	06-NOV-95 07-NOV-95	07-NOV-95 21-SBP-95 20-SBP-95	07-NOV-95
N-FILTERED S	Sample Date	02-NOV-95 02-NOV-95 13-SBP-95	13-SBP-95 31-0CT-95	31-0CT-95 31-0CT-95	31-OCT-95 02-NOV-95	13-38P-95 13-38P-95	31-0CT-95 31-0CT-95	31-OCT-95 02-NOV-95	02-NOV-95 13-SBP-95 13-SBP-95	31-0CT-95 31-0CT-95	31-OCT-95 02-NOV-95	02-NOV-95 13-SRP-95 13-SRP-95	31-0CT-95
DUPLICATES (NC	Lab Number Lot	DV4W*450 XDKN DV4W*275 XDJN DV4W*432 XDOM	DV4W*202 XDNM DV4W*235 XDJN	DV4W*447 XDJN DV4W*165 XDJN	DV4W*448 XDJN DV4W*275 XDJN	DV4W*432 XDOM DV4W*202 XDOM	DV4W*235 XDJN DV4W*447 XDJN DV4W*448 XDJN	DV4W*165 XDJN DV4W*275 XDJN	DV4W*450 XDKN DV4W*432 XDOM DV4W*202 XDNM	DV4W*447 XDJN DV4W*235 XDJN	DV4W*165 XDJN	DV4W*450 XDKN DV4W*432 XDOM DV4W*202 XDNM	DV4W*235 XDJN
SAMPLE	IRDMIS Field Sample Number	MDZW12X3 MXZW12X3 WD5703XX	WK5703XX MXAX03X1	MDAX03X1 MXG307X1	MXZW12X3	MD5703XX WX5703XX	MXAXO3X1 MDAXO3X1	MXGM12X3	MDSW12X3 WD5703XX WX5703XX	MDAX03X1 MXAX03X1	MXG307X1	MDZW12X3 WD5703XX WX5703XX	MXAX03X1
	Test	CHBR3 CHBR3 CHBR3	CHBR3	CHCL3			CL282 CL282	CL2B2 CL2B2	CL282 CL282 CL282	CLCGHS	CLCGHS	CLC6HS CLC6HS CLC6HS	C32
	IRDMIS Method Code	UM20 UM20 UM20	UM20	UM20	UM20	UM20 UM20	UM20 UM20	UM20	UM20 UM20 UM20	UM20	UM20	UM20 UM20 UM20	UM20
	Method Description	VOC'S IN WATER BY GC/MS VOC'S IN WATER BY GC/MS VOC'S IN WATER BY GC/MS	BY BY	IN WATER BY	IN WATER BY	in water by in water by in water by	IN WATER BY IN WATER BY IN WATER BY	IN WATER BY IN WATER BY	IN WATER BY IN WATER BY IN WATER BY	IN WATER BY	IN WATER BY IN WATER BY	IN WATER BY IN WATER BY IN WATER BY	VOC'S IN WATER BY GC/MS
	SAMPLE DUPLICATES (NON-FILTERED SAMPLES)	SAMPLE DUPLICATES (NON-FILTERED SAMPLES) IRDMIS Rethod Test Sample Lab Sample Analysis Code Name Number Lot Date Code Value Units	IRDMIS Field Hethod Test Sample Lab Sample Analysis Analysis Code Name Number Lot Date Date Code Name Number Lot Date Date Code Name Number Lot Date Code Name Number Lot Date Code Name Number Lot Date Code Name Number Lot Date Code Code Name Number Lot Date Code Code Name Number Lot Date Code Code Code Number Code Code Number Code	IRDMIS Rethord Test Sample Lab Sample Date Date Value Units Number Date Date Caba Uach Uach Caba Uach U	IRDMIS Hethod Test Sample Lab Sample Date Date	IRDMIS IRDMIS Pield Analysis Analy	IN MATER BY GC/MS UN20 CHCL3 UN20 CHCL3 U	IRDMIS Fleid Test Sample Samp	Indian I	IN NATURE BY CC/Ms WAZE BY	INCOMES Part	In matter by Coche Matter	TECHNIS TECH

Chemical Quality Control Report Installation: Fort Devens, MA (DV) Group 2, 7 Sites

	IRDMIS	Test	IRDMIS Field Sample			Analysis		,	•	
method Description	• p oo		Munder	Number Lot	Date	Date	v ;	Value	Value Units	RPD
IN WATER BY GC,	UM20	C32	MDAX03X1		m	07-NOV-95	v	5.	ngr	0.0
IN WATER BY GC	UM20	CS2	MXG307X1			06-NOV-95	•	'n	7en	. 0.0
IN WATER BY GC/	UM20	C82	MDG307X1		N 31-0CT-95	07-NOV-95	•	ĸ.	ngr	0.0
IN WATER BY GC/	CM20	C 32	MXZW12X3		N 02-NOV-95	07-NOV-95	v	'n	ner	0.0
IN WATER BY OC.	CM20	C82	MDZW12X3	DV4W*450 XDKN	N 02-NOV-95	07-NOV-95	v	'n	COL	0.0
IN WATER BY GC/	CM 20	C37	WD5703XX	DV4W*432 XDOM	M 13-SRP-95	21-SRP-95	v	'n	ner	0.0
VOC'S IN WATER BY GC/MS	UM20	C32	NCS 703XCK	DV4W*202 XDNM	M 13-SBP-95	20-SBP-95	•	ĸ.	790	0.0
VOC'S IN WATER BY GC/MS	UM20	DBRCLM	MXAX03X1	DV4W*235 XDJN	N 31-0CT-95	07-NOV-95	v	.67	UGL	0.0
IN WATER BY GC,	UM20	DBRCLM	MDAX03X1	DV4W*447 XDJN	N 31-0CT-95	07-NOV-95	v	.67	ner	0.0
IN WATER BY GC,	UM20	DBRCLM	MDG307X1	DV4W*448 XDJN	N 31-0CT-95	07-NOV-95	•	.67	ngr	0.0
IN WATER BY GC,	CM20	DBRCLM	HCKG307X1		N 31-0CT-95	96-NON-90	•	.67	ner	0.0
IN WATER BY GC,	UM20	DBRCLM	MXZW12X3	DV4W*275 XDJN	N 02-NOV-95	07-NOV-95	v	.67	COL	0.0
IN WATER BY GC/	UM20	DBRCLA	MDZW12X3		_	07-NOV-95	v	.67	UGL	0.0
IN WATER BY GC/	UM20	DBRCIA	WD5703XX		•	21-SBP-95	v	.67	ner.	0.0
VOC'S IN WATER BY GC/MS	UM20	DBRCLM	WX5703XX	DV4W*202 XDNM	M 13-SEP-95	20-BBP-95	v	.67	Ten	0.0
IN WATER BY GC,	UM20	RTC6HS	MXAX03X1	DV4W*235 XDJN	N 31-0CT-95	07-NOV-95	v	'n	ner	0.0
IN WATER BY GC,	UM20	BTC6HS	MDAX03X1	DV4W*447 XDJN	N 31-0CT-95	07-NOV-95	v	ĸ	UGE	0.0
IN WATER BY GC,	UM20	RTC6H5	MDG307X1		N 31-0CT-95	07-NOV-95	v	٠.	ngr	0.0
IN WATER BY GC,	UM20	BTC6H5	MXG307X1		• •	96-NON-90	v	ĸ.	ner	0.0
IN WATER BY GC,	UM20	ETC6HS	MDZW12X3		_	07-NOV-95	v	ī.	UGI	169.2
IN WATER BY GC	UM 20	BTC6H5	NXZW12X3		_	07-NOV-95	-	v	ner	169.2
IN WATER BY GC	UM20	BTC6HS	WDS703XX			21-SEP-95	v	'n	UGE	0.0
VOC'S IN WATER BY GC/MS	OM20	ETC6HS	WX5703XX	DV4W*202 XDNM	H 13-SEP-95	20-8BP-95	•	S.	ngr n	0.0
IN WATER BY GC/	UM20	ISOPBZ	MX5703X1	DV4W*171 XDJN	N 02-NOV-95	07-NOV-95		100	ner	66.7
VOC'S IN WATER BY GC/MS	UM20	180081	MX5703X1	DV4W*171 XDJN	N 02-NOV-95	07-NOV-95		20	Ten	66.7
H	UM20	MBC6HS	MXAX03X1	DV4W*235 XDJN	N 31-0CT-95	07-NOV-95	v	ιú	מפור	0.0
IN WATER BY GC/	UMZO	MECHS	MDAX03X1		• •	07-NOV-95	v	7	ner	0.0
IN WATER BY GC/	UM20	MBC6HS	MDG307X1			07-NOV-95	v	ĸ.	ngr	0.0
VOC'S IN WATER BY GC/MS	UM20	мвсень	MXG307X1	DV4W*165 XDJN	N 31-0CT-95	06-NOV-95	v	'n	750	0.0

Chemical Quality Control Report Installation: Fort Devens, MA (DV) Group 2, 7 Sites

Method Description	IRDMIS Method Code	Test Name	IRDMIS Field Sample Number	Lab Number Lot	Sample Date	Analysis Date	٧		ii te	RPD
VOC'S IN WATER BY GC/MS	1 UM20	MBC6H5	MDZW12X3	DV4W*450 XDKN	02-NOV-95	07-NOV-95		. S	UGE	. 0.
VOC'S IN WATER BY GC/MS	3 UM20	MRC6HS	MXZW12X3	DV4W*275 XDJN	02-NOV-95	07-NOV-95	•		UGE	0.0
BY	_	MECCHS	WD5703XX	DV4W*432 XDOM	13-SEP-95	21-SBP-95	•	s.	UGE	0.0
VOC'S IN WATER BY GC/MS	1 UM20	MBC6H5	WX5703XX	DV4W*202 XDNM	13-SRP-95	20-SEP-95	v	s.	ngr ngr	0.0
VOC'S IN WATER BY GC/MS	1 UM20	MEK	MDAX03X1	DV4W*447 XDJN	31-0CT-95	07-NOV-95	v	_	긢	0.0
IN WATER BY	_	MEK	MXAX03X1		31-0CT-95	07-NOV-95	~	6.4 U	UGL	0.0
IN WATER BY	_	MEK	MXG307X1	DV4W*165 XDJN	31-0CT-95	06-NOV-95	v	_	ner	0.0
VOC'S IN WATER BY GC/MS	1 UM20	MEK	MDG307X1	DV4W*448 XDJN	31-0CT-95	07-NOV-95	v		UGI	0.0
VOC'S IN WATER BY GC/MS	1 UM20	MEK	MXZW12X3	DV4W*275 XDJN	02-NOV-95	07-NOV-95	v		Ten	0.0
VOC'S IN WATER BY GC/MS	LW20	MEK	MDZW12X3	DV4W*450 XDKN	02-NOV-95	07-NOV-95	v	6.4	7	0.0
VOC'S IN WATER BY GC/MS	1 UM20	MEK	WD5703XX	DV4W*432 XDOM	13-SEP-95	21-SEP-95	v	6.4 U	מפני	0.0
VOC'S IN WATER BY GC/MS	1 UM20	MBK	WX5703XX	DV4W*202 XDNM	13-SEP-95	20-SEP-95	v	6.4 U		0.0
IN WATER BY	_	MIBK	MXAX03X1	DV4W*235 XDJN	31-0CT-95	07-NOV-95	•	5 m	COL	0.0
VOC'S IN WATER BY GC/MS	1 UM20	MIBK	MDAX03X1	DV4W*447 XDJN	31-0CI-95	07-NOV-95	v	5 m	7	0.0
VOC'S IN WATER BY GC/MS	1 UM20	MIBK	MDG307X1	DV4W*448 XDJN	31-0CT-95	07-NOV-95	v	<u>ج</u> ۳	7	0.0
VOC'S IN WATER BY GC/MS	1 UM20	MIBK	MXG3 07X1	DV4W*165 XDJN	31-0CI-95	06-NOV-95	v	55 M	7.	0.0
VOC'S IN WATER BY GC/MS	1 UM20	MIBK	MDZW12X3	DV4W*450 XDKN	02-NOV-95	07-NOV-95	v	5	ner	0.0
VOC'S IN WATER BY GC/MS	UM20	MIBK	MXZW12X3	DV4W*275 XDJN	02-NOV-95	07-NOV-95	v	<u>ح</u>	7	0.0
VOC'S IN WATER BY GC/MS	UM20	MIBK	WD5703XX	DV4W*432 XDOM	13-SBP-95	21-SRP-95	v	<u>ج</u> د	7	0.0
VOC'S IN WATER BY GC/MS	0M20	MIBK	WX5703XX	DV4W*202 XDNM	13-SEP-95	20-SRP-95	v	m m	ü	0.0
VOC'S IN WATER BY GC/MS	UM20	MNBK	MDAX03X1	DV4W*447 XDJN	31-0CT-95	07-NOV-95	v	3.6 U	H	0.0
NOC'S IN WATER BY GC/MS	UM20	MABK	MXAX03X1	DV4W*235 XDJN	31-0CT-95	07-NOV-95	v	3.6 U	מפור	0.0
VOC'S IN WATER BY GC/MS	UM20	MNBK	MXG307X1	DV4W*165 XDJN	31-0CT-95	06-NOV-95	v	3.6		0.0
VOC'S IN WATER BY GC/MS	UM20	MNBK	MDG307X1	DV4W*448 XDJN	31-0CT-95	07-NOV-95	v	3.6 U		0.0
ACC'S IN WATER BY GC/MS	UMZO	MNBK	MXZW12X3	DV4W*275 XDJN	02-NOV-95	07-NOV-95	v	3.6 U	UGL	0.0
JOC'S IN WATER BY GC/MS	UM20	MNBK	MDZW12X3	DV4W*450 XDKN	02-NOV-95	07-NOV-95	۶	3.6 U	4	0.0
JOC'S IN WATER BY GC/MS	UM20	MNBK	WD5703XX	DV4W*432 XDOM	13-SRP-95	21-SBP-95	v	3.6 13	ner	0.0
VOC'S IN WATER BY GC/MS	UM20	MNBK	WX5703XX	DV4W*202 XDNW	13-SBP-95	20-SEP-95	·	3.6 U	Jer	0.0
OC'S IN WATER BY GC/MS	UM20	STYR	MXAX03X1	DV4W*235 XDJN	31-0CT-95	07-NOV-95	v	Jen s.	닖	0.0

Chemical Quality Control Report Installation: Fort Devens, MA (DV) Group 2, 7 Sites

Method Description	IRDHIS Method Code	Test Name	IRUMIS Field Sample Number	Lab Number Lot	Sample t Dete		Analysis Date	v	Value	Value Unite	RPO
IN WATER BY	UM20	STYR	MDAX03X1		XDJN 31-0CT-95		07-NOV-95		s.	מפני	0.0
IN WATER BY	UM20	STYR	MXG307X1		XDJN 31-0CT-95	1-95	06-NOV-95	•	ĸ.	TOT	0.0
IN WATER BY	UM20	STYR	MDG307X1	DV4N*448 XD	XDJN 31-0CT-95	-95	07-NOV-95	v	ĸ.	. Ten	0.0
IN WATER	UM20	STYR	HXZN12X3		XDJN 02-NOV-95	7-95	07-NOV-95	•	'n	UGE	0.0
IN WATER BY	UM20	STTR	MDZW12X3		XDKW 02-NOV-95	7-95	07-NOV-95	v	ĸ.	UGE	0.0
IN WATER BY	CM20	STYR	WD5703XX	DV4W*432 XD	XDOM 13-58P-95	-95	21-SEP-95	•	ŗ.	7DO	0.0
VOC'S IN WATER BY GC/MS	UM20	STYR	WCS703XX	DV4W*202 XDNM	NM 13-SBP-95	2-95	20-SRP-95	v	ĸ.	מפני	0.0
VOC'S IN NATER BY GC/MS	UM20	T13DCP	MDAX03X1	DV4M*447 XD	XDJN 31-0CT-95	56-5	07-NOV-95	•	1	in the second	c
IN WATER BY	UM20	T13DCP	HXXAX03X1		• •	7-95	07-NOV-95			M	0.0
IN NATER BY	UM20	TI3DCP	MDG307X1	DV4N*448 XD	XDJ 31-0CT-95	-95	07-NOV-95	•	. 7	UGE	0.0
IN WATER BY	UM20	TIBDCP	MXG307X1	DV4N*165 XD	XDJN 31-0CT-95	r-95	06-NOV-95	•	.7	UGE	0.0
IN WATER BY	CM20	T13DCP	MDZW12X3		XDKN 02-NOV-95	7-95	07-NOV-95	v	.7	Ten	0.0
IN WATER	UM20	T13DCP	MXZW12X3		JN 02-NOV-95	7-95	07-NOV-95	•	.7	nor.	0.0
IN WATER BY	UM20	T13DCP	MDS703XX		,,	-95	21-SBP-95	v		nar	0.0
VOC'S IN MATER BY GC/MS	UM20	T13DCP	WX5703XX	DV4W*202 XDNM	NM 13-SEP-95	56-	20-8RP-95	v		nar	0.0
VOC'S IN WATER BY GC/MS	UM20	TCLEA	WX AX 03 X 1	DV4W4235 XD	XDATA 31-007-95	£ .	07-WW-95	,	Į.	, and	c
BY	UM20	TCLEA	HDAX03X1		•	-95	07-NOV-95	, v	.51	UGE	0.0
K	UM20	TCLEA	MXG307X1	DV4W*165 XDJN	٠.	-95	06-NOV-95	v	. 51	TON	0.0
IN MATER BY	CM20	TCLEA	MDGD 07X1			-95	07-NOV-95	•	.51	COL	0.0
IN WATER BY	UM20	TCLEA	NXZW12X3			-95	07-NOV-95	v	. 51	ngr ngr	0.0
IN WATER BY	UM20	TCLEA	MD2W12X3			-95	07-NOV-95	•	. 51	Ten	0.0
IN MATER BY	UM20	TCLEA	WD5703XX		••	-95	21-8RP-95	•	.51	UGIT	0.0
VOC'S IN WATER BY GC/HS	CM20	TCLEA	WK5703XX	DV4N*202 XDNN	Net 13-58P-95	-95	20-88P-95	v	. 51	UGE	0.0
IN WATER BY	UM20	TCLSB	MDAX03X1	DV4W*447 XDJN	JN 31-0CT-95	-95	07-NOV-95	v	1.6	Zes	. 0.0
IN WATER	CM20	TCLBB	HXXXX03X1	DV4N*235 XDJN	31-0CT-95	-95	07-NOV-95	•	1.6	UGE	0.0
IN WATER BY	UM20	TCLBB	NDG307X1			-95	07-NOV-95	v	1.6	700	0.0
IN MATER BY	UM20	TCLBR	MXG307X1			-95	96-NON-90	v	1.6	ngr	0.0
IN MATER BY	UMZO	TCLBB	MDZM12X3		_	-95	07-NOV-95	•	1.6	UGE	0.0
IN MATER BY	UMZO	TCLBB	MX 2W1 2 X3		_	-95	07-NOV-95	v	1.6	Ten	0.0
VOC'S IN WATER BY GC/MS	UM20	TCLEB	WDS703XX	DV4W*432 XDOM	OH 13-SBP-95	-95	21-88P-95	v	1.6	UGE	0.0

Chemical Quality Control Report Installation: Fort Devens, MA (DV) Group 2, 7 Sites

Method Description	IRDMIS Method Code	Test	Field Sample Number	-	o d	Analysis Date	v	Value	Value Uhits	RPO
VOC'S IN WATER BY GC/MS	UM20	TCLAR	WX5703XX	DV4W*202 XDNM	# 13-SBP-95	20-SBP-95	: : v :	1.6	Ten	0.0
MATER BY GC/MS	UM20	TRCLE	MXAX03X1	DV4W*235 XDJN	IN 31-OCT-95	07-NOV-95	v	ĸ	ner	0.0
WATER BY GC/MS	UM20	TRCLB	MDAX03X1		•	_	v	'n.	CGE	0.0
WAITER BY GC/MS	UM20	TRCLB	MXG307X1		٠,	96-NOV-95	v	ĸ.	ner	0.0
	UM20	TRCLB	MDG307X1	DV4W*448 XDJN	(~)	07-NOV-95	v	ĸ.	מפר	0.0
WATER BY GC/MS	UM20	TRCLE	MXZW12X3	DV4W*275 XDJN	IN 02-NOV-95	07-NOV-95	٧	'n	ner ner	0.0
	UM20	TRCLE	MDZW12X3	DV4W*450 XDKN	QN 02-NOV-95	07-NOV-95	v	ĸ.	ner	0.0
	UM20	TRCLB	WD5703XX	DV4W*432 XDOM	M 13-SBP-95	"	v	ĸ.	nar	0.0
WATER BY GC/MS	UM20	TRCLE	WKS703XX	DV4W*202 XDNM	_		v	'n	ngr	0.0
WATER BY GC/MS	UMZO	XYLEN	HXAX03X1	DV4W*235 XDJN		07-NOV-95	v	8.	ZEC	0.0
WATER BY GC/MS	UM20	XXLEN	MDAX03X1	DV4M*447 XDJN	IN 31-0CT-95		٧	78 .	ner	0.0
NATER BY GC/MS	UM20	XXLEN	MDG307X1	DV4W*448 XDJN		Ĭ	v	18.	ner	0.0
	UM20	XYLEN	MXG307X1	DV4W*165 XDJN		06-NOV-95	v		nar	0.0
WAITER BY GC/MS	UM20	XXLEN	MX 2W12X3	DV4W*275 XDJN	IN 02-NOV-95	07-NOV-95	v	. 84	ngr	0.0
	UM20	XYLEN	MDZW12X3	DV4W*450 XDKN	ON 02-NOV-95	07-NOV-95	v	. 84	OGE	0.0
MATER BY GC/MS	UM20	XYLEN	WD5703XX	DV4W*432 XDOM	M 13-SBP-95	••	٧	. 84	nar	0.0
WATER BY GC/MS	13420	XYI.RN	WX57072XW	INVAMAZO Z XINAM	34-5KP-95	20-SRP-95	,	70	TEST.	0

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Chemical Quality Control Report Installation: Fort Devens, MA (DV) Group 2, 7 Sites

Method Description	IRDMIS Method Code	Test	IRDMIS Field Sample Number	Lab Number Lot	Sample Date	Analysis Date	v	Value	•	. GAN
HG IN WATER BY CVAA	3B01	HG	MXAX03X1	DV4F*235 QJZC	31-0CT-95	24-NOV-95		.243	DOL	0.0
HG IN WATER BY CVAA	SB01	옆	MDAX03X1	DV4F*447 QJ2C	31-0CT-95	24-NOV-95	v	.243	ner	0.0
IN WATER BY	SB01	HG	MDG307X1	DV4P*448 QJZC	31-0CT-95	24-NOV-95	v	. 243	ner	0.0
IN WATER BY	SB01	HG	MXG307X1	DV4P*165 QVZC	31-0CT-95	24-NOV-95	v	. 243	ner	0.0
IN WATER BY	SB01	HG	MDZW12X3	DV4P*450 QVAD	02-NOV-95	29-NOV-95	•	. 243	UGE	0.0
HG IN WATER BY CVAA	SB01	HG	MXZW12X3	DV4F*275 QJAD	02-NOV-95	29-NOV-95	v	.243	ner	0.0
						٠				
IN WATER	SD09	11.	MXAX03X1	DV4F*235 UCMB	31-0CT-95	27-NOV-95	v	6.99	ner	0.0
IL IN WAITER BY GPAA	8D09	1	MDAX03X1	DV4F*447 UCMB	31-0CT-95	27-NOV-95	v	6.99	ner	0.0
IN WATER	SD09	15	MDG307X1		31-0CT-95	27-NOV-95	v	6.99	ner	0.0
IN WATER	8D09	11	MXG307X1	DV4P*165 UCMB	31-0CT-95	27-NOV-95	v	6.99	Ten	0.0
IN WATER	8008	11	MDZW12X3	DV4P*450 UCNE	02-NOV-95	01-DBC-95	v	6.99	ner	0.0
TL IN WATER BY GRAA	SD09	1	MXZW12X3	DV4P*275 UCNE	02-NOV-95	01-DEC-95	v	6.99	ner	0.0
PB IN WAITER BY GRAA	SD20	. 84	MXAX03X1	DV4F*235 WCVP	31-0CT-95	28-NOV-95	v	1.26	UGE	0.0
WATER	SD20	PB	MDAX03X1	DV4F*447 WCVP	31-0CT-95	28-NOV-95	v	1.26	ner	0.0
IN WATER BY	SD20	PB	MXG307X1	DV4P*165 WCVP	31-0CT-95	28-NOV-95	v	1.26	UGE	0.0
IN WATER BY	SD20	FB	MDG307X1		31-0CT-95	28-NOV-95	v	1.26	79n	0.0
PB IN WATER BY GRAA	SD20	FB	MXZW12X3		02-NOV-95	01-DEC-95		3.36	Ten	63.5
IN WATER BY	SD20	PB	MDZW12X3	DV4F*450 WCWP	· 02-NOV-95	01-DEC-95		1.74	ngr	63.5
IN WATER BY	SD21	SR	MXAX03X1	DV4F*235 XCNF	31-0CT-95	28-NOV-95	v	3.02	ngr	0.0
WATER	SD21	SB	MDAX03X1	DV4F*447 XCNF	31-0CT-95	28-NOV-95	v	3.02	ner	0.0
IN WATER BY	SD21	SB	MDG307X1		31-0CT-95	28-NOV-95	•	3.02	ngr	0.0
IN WATER BY	SD21	SB	MXG307X1	DV4P*165 XCNP	31-0CT-95	28-NOV-95	v	3.02	UGE	0.0
IN WATER BY	SD21	SB	MDZW12X3	DV4P*450 XCOP	02-NOV-95	30-NOV-95	v	3.05	ner	0.0
	SD21	SB	MXZW12X3	DV4P*275 XCOP	02-NOV-95	30-NOV-95	v	3.02	ngr	0.0
						:				
AS IN WATER BY GFAA	SD22	A3	MXAX03X1	DV4F*235 YCRF	31-0CT-95	30-NOV-95	v	2.54	UGL	0.0

Chemical Quality Control Report Installation: Fort Devens, MA (DV) Group 2, 7 Sites

	IRDMIS		IRDMIS								
Method Description	Nethod Code	Test	Sample	Lab Number	lot T	Sample Date	Analysis Date	٧	Value	Unite	RPD
								;			1 (
IN WATER	2022	3	MDAXO3X1	DV4F#447	X CKF	31-0CL-95	30-NOV-95	v	2.54	750	0.0
IN WATER	SD22	AS	MXG307X1		YCRP	31-0CT-95	29-NOV-95	v	2.54	ngr	0.0
IN WATER	SD22	73	MDGD 07X1	DV4P*448 Y	YCRP	31-OCT-95	30-NOV-95	v	2.54	ner	0.0
AS IN WATER BY GPAA	SD22	8 8	MDZW12X3	DV4P*450 Y	YCSP	02-NOV-95	30-NOV-95	v	2.54	UGE	0.0
AS IN WATER BY GPAA	SD22	S.	MX ZW12X3	DV4P*275 YCSP	CSP	02-NOV-95	30-NOV-95	v	2.54	UGE	0.0
SB IN WATER BY GPAA	SD28	88	MXAX03X1	DV4P*235 N	OWAN	31-0CT-95	29-NOV-95	٧	3.03	UGE	0.0
IN WATER	SD28	SB	MDAX03X1	DV4P*447 N	OWAN	31-0CT-95	29-NOV-95	v	3.03	UGE	0.0
IN WATER	3D28	38	MXG307X1	DV4P*165 N	NFWD	31-0CT-95	29-NOV-95	•	3.03	ner	0.0
	SD28	38	MDG307X1	DV4P*448 N	CMAN	31-0CT-95	29-NOV-95	v	3.03	ner	0.0
WATER	SD28	SB	MDZW12X3	DV4P*450 N	MPXD	02-NOV-95	30-NOV-95	v	3.03	ner	0.0
SB IN WATER BY GPAA	SD28	SB	MX ZW12X3	DV4P*275 N	NPXO	02-NOV-95	30-NOV-95	v	3.03	UGE	0.0
METALS IN WATER BY ICAP	8310	P G	MXZW12X3	DV4P*275 2	ZPTP	02-NOV-95	28-NOV-95	v	4.6	ner	0.0
METALS IN WATER BY ICAP	3310	A G	MDZW12X3	DV4P*450 Z	ZPTP	02-NOV-95	28-NOV-95	v	4.6	UGE	0.0
METALS IN WATER BY ICAP	3310	¥	MX ZW1 2 X3	DV4P*275 2	ZPTP	02-NOV-95	28-NOV-95	v	141	USE	0.0
METALS IN WATER BY ICAP	3310	Æ	MDZW12X3	DV4P*450 Z	ZPTP	02-NOV-95	28-NOV-95	v	141	nar	0.0
i		;							i	1	
IN WATER BY	2310	ВА	MCZW12X3		ZFTF	02-NOV-95	28-NOV-95	v	S	ner	0.0
METALS IN WATER BY ICAP	3310	ВА	MDZW12X3	DV4P*450 Z	ZFTP	02-NOV-95	28-NOV-95	v	ιń	ner	0.0
METALS IN WATER BY ICAP	3310	BB	MX ZW1 2 X3	DV4P*275 Z	ZPTP	02-NOV-95	28-NOV-95	v	ĸ	UGE	0.0
METALS IN WATER BY ICAP	8810	88	MDZW12X3	DV4P*450 Z	ZFTP	02-NOV-95	28-NOV-95	v	ĸ	ner	0.0
METALS IN WATER BY ICAP	. 8310	ð	MXZW12X3	DV4P*275 ZPTF	AL AS	02-NOV-95	28-NOV-95		20900	COL	4.9
	5310	ฮ์	MDZW12X3	DV4F*450 2	ZFTP	02-NOV-95	28-NOV-95		19600	ner	6.4
METALS IN WATER BY TORD	0188	6	FXC TWZ YIM	TWAP#275 ZBTP	4	02-NOV-95	38-WW-95	,	10		c
	3210	8	MDZW12X3	DV4F*450 Z	ZFTP	02-NOV-95	28-NOV-95	, v	4.01	UGL	0.0

Chemical Quality Control Report Installation: Fort Devens, MA (DV) Group 2, 7 Sites

Method Description	IRDMIS Method Code	Test Namo	IRLMIS Field Sample Number	Lab Number Lot	Sample Date	Analysis Date	v	Value	Value Units	RPD
METALS IN WATER BY ICAP METALS IN WATER BY ICAP	3S10 SS10	88	MXZW12X3 MDZW12X3	DV4F*275 ZFTF DV4F*450 ZFTF	02-NOV-95 02-NOV-95	28-NOV-95 28-NOV-95	v v	77 77 72 72 72 72	ner ner	0.0
METALS IN WATER BY ICAP METALS IN WATER BY ICAP	8810 8810	៩ ៩	MXZW12X3 MDZW12X3	DV4P*275 ZPTP DV4P*450 ZPTP	02-NOV-95 02-NOV-95	28-NOV-95 28-NOV-95	v v	6.02	uer uer	0.0
METALS IN WATER BY ICAP METALS IN WATER BY ICAP	3310 3310	88	MXZW12X3 MDZW12X3	DV4P*275 ZPTP DV4P*450 ZPTP	02-NOV-95 02-NOV-95	28-NOV-95 28-NOV-95	v v	8.09 8.09	ner ner	0.0
METALS IN WATER BY ICAP METALS IN WATER BY ICAP	S310 S310	84	MXZW12X3 MDZW12X3	DV4P*275 ZPTP DV4P*450 ZPTP	02-NOV-95 02-NOV-95	28-NOV-95 28-NOV-95	v	44.1	מפר	12.8 12.8
METALS IN WATER BY ICAP METALS IN WATER BY ICAP	3310 3310	**	MXZW12X3 MDZW12X3	DV4F*275 ZPTF DV4F*450 ZFTF	02-NOV-95 02-NOV-95	28-NOV-95 28-NOV-95		1770 1690	ner ner	4.6
METALS IN WATER BY ICAP METALS IN WATER BY ICAP	\$310 \$\$10	D W	MXZW12X3 MDZW12X3	DV4F*275 ZPTF DV4F*450 ZPTF	02-NOV-95 02-NOV-95	28-NOV-95 28-NOV-95		2160	ner ner	7.2
METALS IN WATER BY ICAP METALS IN WATER BY ICAP	\$310 \$310	N N	MDZW12X3 MXZW12X3	DV4P*450 ZPTP DV4P*275 ZPTP	02-NOV-95 02-NOV-95	28-NOV-95 28-NOV-95	. ^	3.64	תפני מפני	27.9
METALS IN WATER BY ICAP METALS IN WATER BY ICAP	5310 5310	an an	MXZW12X3 MDZW12X3	DV4P*275 ZPTP DV4P*450 ZPTP	02-NOV-95 02-NOV-95	28-NOV-95 28-NOV-95	•••	28700 28200	ner ner	1.8 1.8
METALS IN WATER BY ICAP METALS IN WATER BY ICAP	3310 3310	N I	MXZW12X3 MDZW12X3	DV4P*275 ZPTF DV4P*450 ZPTP	02-NOV-95 02-NOV-95	28-NOV-95 28-NOV-95	v v	34.3	ngr ngr	0.0
METALS IN WATER BY ICAP METALS IN WATER BY ICAP	3310 3310		MDZW12X3 MXZW12X3	DV4F*275 ZFTF DV4F*275 ZFTF	02-NOV-95 02-NOV-95	28-NOV-95 28-NOV-95	v 7	==	תפני תפני	0.0
METALS IN WATER BY ICAP	SS10 SS10	N N	MDZW12X3 MXZW12X3	DV4P*450 ZPTP DV4P*275 ZPTP	02-NOV-95 02-NOV-95	28-NOV-95 28-NOV-95	; v	21.1 21.1	ngr ngr	0.0

SQL> update chem set meth=rtrim(meth);
SQL> commit;
SQL> ef:\rbonline
SQL> update cgc set meth=rtrim(meth);
SQL> commit;
SQL> commit;

TABLE D-20

Chemical Quality Control Report Installation: Fort Devens, MA (DV) Group 4 Sites

Method Description	IRDMIS Method Code	Test Name	IRCMIS Pield Sample Number	Lab Number Lot	Sample Date	Analysis Date	v	Value	Unite	RPD
HARDNESS	1302	HARD	MX5701X2		. ,,	19-FBB-96		20000	UGE	8.3
HARDNESS	1302	HARD	MD5701X2			26-PBB-96		18400	Ten	8.3
HARDNESS	1302	HARD	MD5703X2	DV4W*458 PJUY	Y 14-PEB-96	28-FBB-96		28400	UGE	ς. α
HARDNESS	1302	HARD	MX5703X2	DV4W*172 PJUY	Y 14-PEB-96	28-PBB-96		26800	CCL	5.8
HARDNESS	1302	HARD	MDAX04X2	DV4W*457 PJVY	Y 15-PEB-96	29-PRB-96		264000	UGE	190.0
HARDNESS	1302	HARD	MXAX04X2	DV4W*238 PJUY	Y 15-PEB-96	28-FKB-96		6800	UGE	190.0
HARDNESS	1302	HARD	MXZW11X4	DV4W*274 PJUY	Y 14-PEB-96	28-FEB-96		66200	ner	7.8
HARDNESS	1302	HARD	MDZW11X4	DV4W*456 PJUY	Y 14-PBB-96	28-FBB-96		61200	UGT	7.8
ALKALINITY	3101	ALK	MD5701X2	DV4W*455 PJDY	Y 13-PEB-96	20-FEB-96		0009	UGE	18.2
ALKALINITY	3101	ALK	MX5701X2	DV4W*168 PJBY	Y 13-PEB-96	19-FEB-96		2000	ner	18.2
ALKALINITY	3101	ALK	MX5703X2	DV4W*172 PJSY	Y 14-PBB-96	26-PKB-96		38200	ner	'n.
ALKALINITY	3101	ALK	MD5703X2	DV4W*458 PUSY	Y 14-PEB-96	26-PBB-96		38000	ner	'n.
ALKALINITY	3101	ALK	MDAX04X2	DV4W*457 PJSY	Y 15-PRB-96	26-FEB-96		225000	UGE	4.1
ALKALINITY	3101	ALK	MXAX04X2	DV4W*238 PUSY	Y 15-PEB-96	26-PBB-96		216000	UGE	4.1
ALKALINITY	3101	ALK	MDZW11X4	DV4W*456 PJSY	K 14-PEB-96	26-FRB-96		45000	CCL	2.5
ALKALINITY	3101	ALK	MXZW11X4	DV4W*274 PJSY	Y 14-PEB-96	26-PEB-96		44000	ner	2.2
HG IN WATER BY CVAA	SB01	HG	MD5701X2	DV4W*455 QJRD	3 13-FEB-96	12-MAR-96	v	.243	ngr	0.
HG IN WATER BY CVAA	SB01	HG	MX5701X2	DV4W*168 QJQD	J 13-FEB-96	11-MAR-96	v	.243	UGE	۰.
WATER BY	SB01	HG	MD5703X2	DV4W*458 QJSD	3 14-FEB-96	13-MAR-96	v	.243	UGT	٥.
IN WATER BY	SB01	HG	MX5703X2	DV4W*172 QJRD	•	12-MAR-96	v	.243	ngr	٥.
IN WATER BY	SB01	HG	MDAX04X2	DV4W*457 QJSD) 15-PEB-96	13-MAR-96	v	.243	UGE	٥.
IN WATER BY	SB01	HG	MXAX04X2) 15-FEB-96	12-MAR-96	v	.243	ner,	٥.
	SB01	HG	MXZW11X4	DV4W*274 QJQD	14-FEB-96	11-MAR-96	v	.243	OGT	0.
HG IN WATER BY CVAA	SB01	HG	MDZW11X4	DV4W*456 QJSD	14-FEB-96	13-MAR-96	v	.243	ngr	٥.
TL IN WATER BY GFAA	SD09	11	MX5701X2	DV4W*168 UCXB	3 13-PEB-96	19-MAR-96	v	6.9	ugr	٥.
TL IN WATER BY GRAA	8D09	Ħ	MD5701X2	DV4W*455 UCYR	13-FBB-96	20-MAR-96	v	6.99	ner ner	٥.
TL IN WATER BY GFAA	SD09	TL	MX5703X2	DV4W*172 UCYB	14-FEB-96	20-MAR-96	v	6.99	UGL	o.

Chemical Quality Control Report Installation: Fort Devens, MA (DV) Group 4 Sites

Method Description	IRDMIS Method Code	Test Name	IRCMIS Field Sample Number	Lab Number Lot	Sample Date	Analysis Date	٧	Value	Unite	RPD
TL IN WATER BY GFAA	SD09	耳	MD5703X2	_	14-PEB-96	20-MAR-96	: : v	6.99	UGI	
IN WATER BY	SD09	11	MXAX04X2	DV4W*238 UCYR	15-PEB-96	20-MAR-96	v	6.93	ner	۰.
IN WATER BY	SD09	11	MDAX04X2	DV4W*457 UCZB	15-PKB-96	20-MAR-96	v	6.9	ner	٥.
IN WATER BY	8D09	1	MXZW11X4	DV4W*274 UCKB	14-PBB-96	19-MAR-96	v	6.9	UGL	•
Z	SD09	11	MDZW11X4	DV4W*456 UCZB	14-PEB-96	20-MAR-96	v	6.99	ner	۰.
IN WATER	SD20	88	MD5701X2	DV4W*455 WCKG	13-PKB-96	21-MAR-96	v	1.26	ner	0.
IN WATER BY	SD20	PB	MX5701X2	DV4W*168 WCJG	13-PEB-96	20-MAR-96	v	1.26	ner	0.
BX	SD20	PB	MD5703X2	DV4W*458 WCLG	14-PEB-96	21-MAR-96	v	1.26	UGE	o.
IN WATER BY	SD20	PB	MX5703X2	DV4W*172 WCKG	14-PEB-96	21-MAR-96	•	1.26	ner	٥.
IN WATER BY	SD20	PB	MDAX04X2	DV4W*457 WCLG	15-PEB-96	21-MAR-96	v	1.26	UGE	٥.
IN WATER BY	SD20	PB	MXAX04X2	DV4W*238 WCKG	15-PEB-96	21-MAR-96	v	1.26	UGI	٥.
WAITER BY	SD20	PB	MDZW11X4		14-PEB-96	21-MAR-96	v	1.26	ngr .	٥.
PB IN WATER BY GPAA	SD20	PB	MXZW11X4	DV4W*274 WCJG	14-FEB-96	20-MAR-96	v	1.26	UGL	o.
ä	SD21	SB	MX5701X2	DV4W*168 XCBG	13-PEB-96	19-MAR-96	v	3.02	UGI	•
IN NATER BY	SD21	SR	MD5701X2	DV4W*455 XCCG	13-PEB-96	21-MAR-96	•	3.02	UGE	0.
WATER BY	SD21	SB	MD5703X2	DV4W*458 XCDG	14-PEB-96	21-MAR-96	v	3.02	UGE	•
IN WATER BY	SD21	SE	MX5703X2		14-FEB-96	21-MAR-96	v	3.02	ner	۰.
IN WATER BY	SD21	SB	MDAX04X2	DV4W*457 XCDG	15-FEB-96	21-MAR-96	v	3.02	ner	٥.
WATER BY	SD21	SB	MXAX04X2	DV4W*238 XCCG	15-PBB-96	21-MAR-96	v	3.02	ner	۰.
IN WATER BY	SD21	SE	MXZW11X4	DV4W*274 XCBG	14-PEB-96	19-MAR-96	v	3.02	ngr.	۰.
SH IN WATER BY GPAA	SD21	SB	MDZW11X4	DV4W*456 XCDG	14-PEB-96	21-MAR-96	v	3.02	UGL	٥.
IN WATER BY	SD22	AS.	MD5701X2	DV4W*455 XCGG	13-FEB-96	21-MAR-96	v	2.54	ner	٥.
IN WATER BY	SD22	AS	MX5701X2	DV4W*168 YCFG	13-PEB-96	24-MAR-96	v	2.54	UGT	٥.
WATER BY	SD22	A3	MX5703X2	DV4W*172 YCCG	14-PEB-96	21-MAR-96		42.3	ner	42.4
IN WATER BY	SD22	AS	MD5703X2		14-PEB-96	19-MAR-96		27.5	UGL	42.4
IN WATER BY	SD22	AS	MDAX04X2		15-PEB-96	19-MAR-96	v	2.54	ngr	٥.
	SD22	SE SE	MXAX04X2	DV4W*238 YCGG	15-PEB-96	21-MAR-96	v	2.54	UGI	•

Chemical Quality Control Report Installation: Fort Devens, MA (DV) Group 4 Sites

Method Description	IRDMIS Method Code	Test	IRLWIS Field Sample Number	Lab Number Lot	Sample	Analysis Date	v	Value	_	RPD
	SD22	AS	MXZW11X4	DV4W*274 YCFG	14-PEB-96	24-MAR-96	; ; ; ;	11.3	TGE	14.0
AS IN WATER BY GPAA	SD22	AS	MDZW11X4	DV4W*456 YCHG	14-PEB-96	19-MAR-96		13	Ten	14.0
WATER	SD28	SB	MD5701X2		13-PEB-96	14-MAR-96	v	3.03	UGI	٥.
IN WATER BY	SD28	SB	MX5701X2		13-PEB-96	13-MAR-96	v	3.03	Ten	o.
IN WATER BY	SD28	SB	MD5703X2	DV4W*458 NFLB	14-PBB-96	21-MAR-96	v	3.03	ngr	٥.
IN WATER BY	SD28	SB	MX5703X2	DV4W*172 NFKB		14-MAR-96	v	3.03	UGI	۰.
IN WATER BY	SD28	SB	MDAX04X2		15-PBB-96	21-MAR-96	v	3.03	ner	٥.
IN WATER BY	SD28	SB	MXAX04X2	DV4W*238 NPKR	15-PBB-96	14-MAR-96	v	3.03	CGT	۰.
WATER BY	SD28	SB	MXZW11X4	DV4W*274 NFJB	14-PEB-96	13-MAR-96	v	3.03	ner	٥.
SB IN WATER BY GPAA	SD28	SB	MDZW11X4	DV4W*456 NFLE	14-PEB-96	21-MAR-96	v	3.03	UGE	۰.
IN WATER BY	8810	AG	MD5701X2	DV4W*455 ZFAG	13-FBB-96	08-MAR-96	v	4.6	ner	•
IN WATER BY	3310	AG	MX5701X2	DV4W*168 ZPZP	13-FBB-96	08-MAR-96	v	4.6	CCL	٥.
IN WATER BY	8210	AG	MD5703X2	DV4W*458 ZFBG	14-PEB-96	12-MAR-96	v	4.6	Ten	۰.
IN WATER BY	\$310	AG	MX5703X2	DV4W*172 ZFAG	14-PKB-96	08-MAR-96	v	4.6	ner	٥.
IN WATER BY	3210	AG	MDAX04X2		15-PEB-96	12-MAR-96	v	4.6	UGE	o.
IN WATER BY	2310	AG.	MXAX04X2		15-PKB-96	08-MAR-96	v	4.6	UGE	۰.
IN WATER BY	5310	Y G	MXZW11X4		14-PEB-96	08-MAR-96	v	4.6	UGT	0
METALS IN WATER BY ICAP	\$310	ğ	MDZW11X4	DV4W*456 ZFBG	14-FEB-96	12-MAR-96	v	4.6	UGT	•
IN WATER BY	8810	Æ	MX5701X2	DV4W*168 ZFZF	13-PEB-96	08-MAR-96	v	141	ner	°.
IN WATER BY	2310	A I.	MD5701X2	DV4W*455 ZPAG	13-PBB-96	08-MAR-96	v	. 141	UGE	o.
IN WATER BY	2310	¥.	MD5703X2		14-PBB-96	12-MAR-96		263	ner	60.4
IN WATER BY	2310	Ąt.	MX5703X2		14-PEB-96	08-MAR-96	v	141	UGE	60.4
IN WATER BY	8810	Æ	MDAX04X2		15-PEB-96	12-MAR-96		685	ngr	36.6
IN WATER BY	3310	¥.	MXAX04X2		15-FKB-96	08-MAR-96		473	ncr	36.6
IN WATER BY	8810	Æ	MXZW11X4		14-PEB-96	08-MAR-96	v	141	ner	۰.
METALS IN WATER BY ICAP	3310	¥	MDZW11X4	DV4W*456 ZFBG	14-PEB-96	12-MAR-96	v	141	TEN	٥.
METALS IN WATER BY ICAP	3510	ВА	MD5701X2	DV4W*455 ZPAG	13-PKB-96	08-MAR-96		12.8	ner	1.6

Chemical Quality Control Report Installation: Fort Devens, MA (DV) Group 4 Sites

		IRDMIS		IRDMIS Field			•	•				
		Method	Test	Sample	q		Sample	Analysis		•	:	. !
Method Description		Code	Мате	Number	Number	Lot	Date	Date	v :	Value	Value Unite	RPD
METALS IN WATER BY	1 25	3810	E.	MX5701X2	DV4W*168	ZFZF	13-FBB-96	08-MAR-96		12.6	UGE	1.6
IN WATER	3	8810	BA	MD5703X2	DV4W*458	ZPBG	14-FBB-96	12-MAR-96		47.6	UGI	24.0
IN WATER	30	8810	ВА	MX5703X2	DV4W*172	ZPAG	14-PBB-96	08-MAR-96		37.4	ner	24.0
IN WATER	CAP	5510	BA	MXAX04X2	DV4W*238	ZFAG	15-PEB-96	08-MAR-96		14.8	ugr	.7
2	GAP.	3310	BA	MDAX04X2	DV4W*457	ZFBG	15-PBB-96	12-MAR-96		14.7	ner	.,
IN WATER	TG.	5310	B.A.	MDZW11X4	DV4W*456	ZFBG	14-PBB-96	12-MAR-96		7.44	UGE	7.1
Z	35	2810	BA	MXZW11X4	DV4W*274	ZPZP	14-PBB-96	08-MAR-96		6.93	ner	7.1
MRTALS IN WATER BY	3	8810		MX5701X2	DV4W*168	4242	13-PBB-96	08-MAR-96	v	Ŋ	UGE	ė,
IN WATER	Cab	2310	BB	MD5701X2	DV4W*455	ZPAG	13-PEB-96	08-MAR-96	v	w	UGE	o.
IN WATER	อ	3510	BB	MX5703X2	DV4W*172	ZPAG	14-PBB-96	08-MAR-96	v	ĸ	uer	٥.
IN WATER	3	3310	BB	MD5703X2	DV4W*458	ZPBG	14-PBB-96	12-MAR-96	v	ហ	מפני	o,
IN WATER	ICAP	5510	BB	MXAX04X2	DV4W*238	ZPAG	15-PEB-96	08-MAR-96	v	ស	OGE	o.
IN WATER	CAP	.5510	BB	MDAX04X2	DV4W*457	ZFBG	15-PEB-96	12-MAR-96	v	ស	ner	٥.
IN WATER	GAP	2310	BB	MXZW11X4	DV4W*274	ZPZF	14-PEB-96	08-MAR-96	v	'n	ner.	o.
H	ICAP.	SS10	BB	MDZW11X4	DV4W*456	ZFBG	14-PBB-96	12-MAR-96	v	w	ner	o.
			(42.00	000000000000000000000000000000000000000	0404	20-000-61	30-08W-00		6050	in.	<u>.</u>
IN WATER	3	2210	5	TVTO/CVM	OF HEAT	100	2002-01	20 444 60				
IN WATER	ig S	2210	ర	MD5701X2	DV4W*455	ZFAG	13-FKB-96	U8-MAK-96		0000	3 1	n .
	g G	SS10	ฮ	MX5703X2	DV4W*172	ZFAG	14-PEB-96	08-MAR-96		9740	79.	1.6
IN WATER	ICAP	8310	ర	MD5703X2	DV4W*458	ZFBG	14-PBB-96	12-MAR-96		8890	ngr	9.1
IN WATER	ICAP TCAP	SS10	ర	MXAX04X2	DV4W*238	ZFAG	15-PEB-96	08-MAR-96		68300	ner	1.0
H	E P	8810	ర	MDAX04X2	DV4W*457	ZFBG	15-PKB-96	12-MAR-96		67600	ngr	1.0
IN WATER	CAP	3310	ర	MXZW11X4	DV4W*274	ZFZF	14-PEB-96	08-MAR-96		21600	UGE	٥.
H	3	2310	ర	MDZW11X4	DV4W*456	ZFBG	14-PBB-96	12-MAR-96		21600	ner	•
METALS IN WATER BY	ğ	3310	8	MX5701X2	DV4W*168	ZPZP	13-PBB-96	08-MAR-96	v	4.01	ngr	٥.
TN WATER	CAD	8310	8	MD5701X2	DV4W*455	ZFAG	13-FEB-96	08-MAR-96	v	4.01	ner	•
IN WATER	35	5310	8	MX5703X2	DV4W*172	ZFAG	14-PEB-96	08-MAR-96	v	4.01	ner	۰.
IN WATER	CAP	5310	8	MD5703X2	DV4W*458	ZFBG	14-PEB-96	12-MAR-96	v	4.01	Ten	۰.
IN WATER	5	5510	8	MXAX04X2	DV4W*238	ZFAG	15-PKB-96	08-MAR-96	v	4.01	UGT	٥.
IN WATER	9	\$310	8	MDAX04X2	DV4W*457	ZFBG	15-PEB-96	12-MAR-96	v	4.01	ugr	•
H	ð	5310	8	MXZW11X4	DV4W*274	ZFZF	14-PEB-96	08-MAR-96	v	4.01	ner	٥.

Chemical Quality Control Report Installation: Fort Devens, WA (DV) Group 4 Sites

	IRDMIS	T.	IRDMIS Field Sample	Lab		Sample	Analysis				
Method Description	Code	Name	Number	Number	Ę	Date	Date	v	Value	Value Units	RPD
METALS IN WATER BY ICAP	3310	8	MDZW11X4	DV4W*456	ZFBG	14-PEB-96	12-MAR-96	v	4.01	OGL	• ,
METALS IN WATER BY ICAP	5310	8	MX5701X2	DV4W*168	4242	13-PBB-96	08-MAR-96	v	25	UGE	0.
TN WATER BY	5310	8	MD5701X2	DV4W*455	ZFAG	13-PBB-96	08-MAR-96	v	25	ner	٥.
TN WATER BY	8310	8	MD5703X2	DV4W*458	ZFBG	14-PBB-96	12-MAR-96	v	25	UGL	٥.
TN WATER BY	8310	8	MX5703X2	DV4W*172	ZPAG	14-FEB-96	08-MAR-96	v	25	UGL	۰.
TN WATTER BY	\$310	8	MXAX04X2	DV4W*238	ZFAG	15-FBB-96	08-MAR-96	v	25	UGL	٥.
IN WATER BY	5510	8	MDAX04X2	DV4W*457	ZPBG	15-PBB-96	12-MAR-96	v	25	ner	۰.
TN WATER BY	5310	8	MXZW11X4	DV4W*274	ZFZF	14-PEB-96	08-MAR-96	v	52	ngr	٥.
IN WATER BY	8810	8	MDZW11X4	DV4W*456	ZFBG	14-PEB-96	12-MAR-96	v	25	ner	۰.
MENT OF WARMED BY ICAD	8810	8	MX5701X2	DV4W*168	ZFZF	13-PKB-96	08-MAR-96	v	6.02	ngr	•
TN WATER BY	8810	8	MD5701X2	DV4W*455	ZPAG	13-PBB-96	08-MAR-96	v	6.02	UGF	0.
TN WATER BY	3310	íő	MX5703X2	DV4W*172	ZFAG	14-FEB-96	08-MAR-96	v	6.02	ner	٥.
TH WATER BY	8810	ජ	MD5703X2	DV4W*458	ZFBG	14-FEB-96	12-MAR-96	v	6.02	ner	۰.
IN WATER BY	2310	ජි	MDAX04X2	DV4W*457	ZFBG	15-PKB-96	12-MAR-96	v	6.02	UGL	٥.
IN WATER BY	5310	ర	MXAX04X2	DV4W*238	ZPAG	15-PEB-96	08-MAR-96	v	6.02	UGF	o.
IN WATER BY	5310	f	MXZW11X4	DV4W*274	ZEZE	14-FEB-96	08-MAR-96	v	6.02	ner	0
IN WATER BY	3310	ಕ	MDZW11X4	DV4W*456	ZFBG	14-PKB-96	12-MAR-96	v	6.02	UGI	٥.
	6	ŧ	MYE701Y2	TWAW'S CR	27.42	13-PRB-96	08-MAR-96	v	8.09	ter	٥.
2 2	8810	8 8	MD5701X2	DV4W*455	ZFAG	13-PKB-96	08-MAR-96	v	8.09	CCL	٥.
IN WATER BY	\$310	8	MD5703X2	DV4W*458	ZFBG	14-PEB-96	12-MAR-96	v	8.09	ner	٥.
IN WATER BY	8310	8	MX5703X2	DV4W*172	ZFAG	14-PEB-96	08-MAR-96	v	8.09	ner	•
IN WATER BY	SS10	8	MDAX04X2	DV4W*457	ZFBG	15-PEB-96	12-MAR-96		17.2	UGE	47.5
IN WATER BY	5310	8	MXAX04X2	DV4W*238	ZFAG	15-FBB-96	08-MAR-96		10.6	ner	47.5
IN WAITER BY	8310	8	MXZW11X4	DV4W*274	ZFZF	14-PEB-96	08-MAR-96	v	8.09	UGL	٥.
Ä	8810	8	MDZW11X4	DV4W*456	ZFBG	14-PEB-96	12-MAR-96	v	8.09	ngr n	0.
METALS IN WATER BY ICAP	5310	FB	MX5701X2	DV4W*168	ZPZP	13-PKB-96	08-MAR-96	v	38.8	UGI	o.
	8310	PE	MD5701X2	DV4W*455	ZFAG	13-PEB-96	08-MAR-96	v	38.8	UGE	o.
IN WATER BY	8810	PB	MX5703X2	DV4W*172	ZFAG	14-PEB-96	08-MAR-96		11700	UGI	45.0
WATER BY	8310	PB	MD5703X2	DV4W*458	ZFBG	14-FEB-96	12-MAR-96		7400	UGE	45.0

Chemical Quality Control Report Installation: Fort Devens, MA (DV) Group 4 Sites

Method Description	IRDMIS Method Code	Test Name	IRDMIS Field Sample Number	Lab Number	lot	Sample Date	Analysie Date	val.	Value Unite	RPD
WATER		PB	MXAX04X2	DV4W*238	ZFAG	15-FBB-96	08-MAR-96	652	2 UGL	4 .1
IN WATER BY I	5310	PB	MDAX04X2	DV4W*457	ZPBG	15-FKB-96	12-MAR-96	. 626		4.1
IN WATER BY I	3310	FB	MXZW11X4	DV4W*274	ZFZF	14-PBB-96	08-MAR-96	807	_	29.6
METALS IN WATER BY ICAP	3310	88	MDZW11X4	DV4W*456	ZPBG	14-PBB-96	12-MAR-96	599	o UGI	29.6
METALS IN WATER BY ICAP	5310	×	MD5701X2	DV4W*455	ZPAG	13-FEB-96	08-MAR-96	1410	o ugr	22.9
IN WATER BY 1	5310	×	MX5701X2	DV4W*168	ZFZF	13~PBB-96	08-MAR-96	1120		22.9
IN WATER BY 1	8810	×	MX5703X2	DV4W*172	ZPAG	14-PBB-96	08-MAR-96	2130		15.2
IN WATER BY I	8810	×	MD5703X2	DV4W*458	ZFBG	14-FEB-96	12-MAR-96	1830		15.2
IN WATER BY I	SS10	×	MDAX04X2	DV4W*457	ZPBG	15-PBB-96	12-MAR-96	2370	o ugi	۰.
IN WATER BY I	3310	×	MXAX04X2	DV4W*238	ZPAG	15-PBB-96	08-MAR-96	237		٥.
IN WATER BY I	3310	×	MXZW11X4	DV4W*274	ZFZF	14-PBB-96	08-MAR-96	1670		6.8
IN WATER BY I	2310	×	MDZW11X4	DV4W*456	ZFBG	14-FEB-96	12-MAR-96	1560		6.8
METRIC IN WATER BY ICAD	8410	<u>.</u>	MX5701X2	DV4W*168	ZPZP	13-PEB-96	08-MAR-96	650	OGE	3.6
IN WATER BY I	5810	. E	MD5701X2	DV4W*455	ZPAG	13-PEB-96	08-MAR-96	627	_	3.6
IN WATER BY I	8310	W.	MD5703X2	DV4W*458	ZFBG	14-PEB-96	12-MAR-96	758		5.8
IN WATER BY I	5510	Đ.	MX5703X2	DV4W*172	ZPAG	14-PEB-96	08-MAR-96	715		5.8
IN WATER BY I	8810	W.	MXAX04X2	DV4W*238	ZPAG	15-PEB-96	08-MAR-96	10100		1.4
IN WATER BY I	8310	W	MDAX04X2	DV4W*457	ZFBG	15-PBB-96	12-MAR-96	0966		1.4
IN WATER BY I	5310	A G	MDZW11X4	DV4W*456	ZPBG	14-PEB-96	12-MAR-96	2430	_	۰.
IN WATER BY I	2310	₩Ċ	MXZW11X4	DV4W*274	ZFZF	14-PBB-96	08-MAR-96	2430	Ten o	ė.
METALS IN WATER BY ICAP	3310	NE.	MX5701X2	DV4W*168	ZFZF	13-PEB-96	08-MAR-96	32.1	1 UGL	5.4
IN WATER BY I	8810	MN	MD5701X2	DV4W*455	ZFAG	13-FBB-96	08-MAR-96	30.4		5.4
IN WATER BY 1	8810	NE NE	MX5703X2	DV4W*172	ZPAG	14-PEB-96	08-MAR-96	348	•	22.7
IN WATER BY I	8310	Ž	MD5703X2	DV4W*458	ZFBG	14-PEB-96	12-MAR-96	277	7 UGL	22.7
WATER BY I	8310	Z	MXAX04X2	DV4W*238	ZFAG	15-PEB-96	08-MAR-96	1910		1.6
IN WATER BY I	8810	MN	MDAX04X2	DV4W*457	ZFBG	15-PEB-96	12-MAR-96	1880		1.6
IN WATER BY I	5810	E	MXZW11X4	DV4W*274	4242	14-PEB-96	08-MAR-96	202	-	7.4
IN WATER BY I	\$310	¥	MDZW11X4	DV4N*456	ZFBG	14-FEB-96	12-MAR-96	493	3 UGL	2.4
METALS IN WATER BY ICAP	8310	Ź	MD5701X2	DV4W*455 ZPAG	ZPAG	13-PEB-96	08-MAR-96	16600	o ugr	2.4

Chemical Quality Control Report Installation: Port Devens, MA (DV) Group 4 Sites

CED	7.7	0.	6.	7	7:1	.7	.7	٥.	۰.	٥.	۰.	19.4	19.4	۰.	•	•	•		P.	۰.	•	٥.	o.	۰.	۰.	0.	39.1	39.1	•	0.	۰.
μ.		=	ដ				-					13	57							•:							39	35			
Unite	ngr	750	ngr Ogr	GE	ngr C	UGL	ngr n	ngr	ner	ngr n	OGE	OGE	ner n	UGL	UGL	į	3	3 1	gr	œr	ZE ZE	CGL	ngr	CGL	ner	UGE	UGL	œr	ngr	UGI	UGIT
Value Unite	16200	1840	1650	63600	61900	30000	29800	34.3	34.3	34.3	34.3	52.1	42.9	34.3	34.3	÷	1;	;	:	#	11	11	11	11	21.1	21.1	63.6	42.8	21.1	21.1	21.1
v								v	v	v	v			v	v	,	,	v	v	v	v	v	v	v	v	v			v	v	v
Analysis Date	08-MAR-96	08-MAR-96	12-MAR-96	08-MAR-96	12-MAR-96	12-MAR-96	08-MAR-96	08-MAR-96	08-MAR-96	12-MAR-96	08-MAR-96	08-MAR-96	12-MAR-96	12-MAR-96	. 08-MAR-96	460	06-1444-00	08-MAR-96	08-MAR-96	12-MAR-96	12-MAR-96	08-MAR-96	12-MAR-96	08-MAR-96	08-MAR-96	08-MAR-96	12-MAR-96	08-MAR-96	12-MAR-96	08-MAR-96	12-MAR-96
Sample Date	13-PKB-96	14-FBB-96	14-PEB-96	15-PBB-96	15-PEB-96	14-PBB-96	14~PEB-96	13-FEB-96	13-PEB-96	14-PEB-96	14-PBB-96	15-PEB-96	15-PEB-96	14-PEB-96	14-PEB-96	4	13-FBD-70	13-FBB-96	14-PEB-96	14-PEB-96	15-FEB-96	15-PEB-96	14-PEB-96	14-PEB-96	13-PKB-96	13-FBB-96	14-FEB-96	14-FEB-96	15-FEB-96	15-PEB-96	14-PEB-96
Ŗ			ZFBG	ZPAG	ZFBG	ZFBG	4242	ZFAG	ZFZF	ZFBG	ZPAG	ZFAG	ZFBG	ZFBG	ZFZF					ZFBG	ZFBG	ZFAG	ZFBG	ZPZP	ZPZP			ZPAG	ZFBG		
Lab	DV4W*168	DV4W*172	DV4W*458	DV4W*238	DV4W*457	DV4W*456	DV4W*274	DV4W*455	DV4W*168	DV4W*458	DV4W*172	DV4W*238	DV4W*457	DV4W*456	DV4W*274		DATE TOO	DV4W*455	DV4W*172	DV4W*458	DV4W*457	DV4W*238	DV4W*456	DV4W*274	DV4W*168	DV4W*455	DV4W*458	DV4W*172	DV4W*457	DV4W*238	DV4W*456
IRDMIS Field Sample Number	MX5701X2	MX5703X2	MD5703X2	MXAX04X2	MDAX04X2	MDZW11X4	MXZW11X4	MD5701X2	MX5701X2	MD5703X2	MX5703X2	MXAX04X2	MDAX04X2	MDZW11X4	MXZW11X4		MAS/ULAZ	MD5701X2	MX5703X2	MD5703X2	MDAX04X2	MXAX04X2	MDZW11X4	MXZW11X4	MX5701X2	MD5701X2	MD5703X2	MX5703X2	MDAX04X2	MXAX04X2	MDZW11X4
Test	Z.	Ž	Ą	ş	ž	ž	ş	Z	ĸ	N	IN	N	N	N	Ħ		> 1	>	>	٥	>	>	>	۰	ž	Z	Z	Z	Z	13	ä
IRDMIS Method Code	8310	8310	8310	8310	8310	8310	8310	3310	5310	8310	5310	5310	3310	5310	2310	,	2210	2310	2310	8310	5310	5310	2510	2310	9810	8810	8310	8810	8810	3810	3210
Method Description	BYI	METALS IN WATER BY ICAP	IN WATER	IN WATER BY I	IN WATER BY I	IN WATER BY I	IN WATER BY I	METALS IN WATER BY ICAP	IN WATER BY I	IN WATER BY I	IN WATER BY 1	IN WATER BY I	IN WATER	IN WATER BY I	IN WATER		IN WATER BY	IN WATER BY I	METALS IN WATER BY ICAP		WATER	IN WATER BY I	IN WATER BY I	WATER BY	DANT OF COMMENT OF PLANT	TN WATER BY	TN WATER BY T	TN WATER BY T	TN WATER RY T	TN WATER BY I	IN WATER BY I

Chemical Quality Control Report Installation: Fort Devens, MA (DV) Group 4 Sites

Method Description	IRDMIS Method Code	Test Name	IRDMIS Field Sample Number	Lab Number	E	Sample Date	Analysis Date	v	Value	Unite	RPD
METALS IN WATER BY ICAP	SS10	NZ.	MXZW11X4	DV4W*274	ZFZF	14-PEB-96	08-MAR-96		21.1	ngr	0.
NO2, NO3 IN WAITER NO2, NO3 IN WAITER	TF22 TF22	NIT	MX5701X2 MD5701X2	DV4W*168 DV4W*455	ZGED	13-PKB-96 13-PKB-96	07-MAR-96 11-MAR-96		1200	100F	80 a
NO2, NO3 IN WATER NO2, NO3 IN WATER	TP22 TP22	NIT	MD5703X2	DV4W*458	ZGFD	14-PEB-96	11-MAR-96		270	l det	. e i
NO3 IN	TP22	NIT	MDAX04X2	DV4W*457	ZGFD	15-PBB-96	11-MAR-96		41.3	g g	38.7
NO3 IN	TP22	TIN	MXAX04X2		ZGPD	15-PKB-96	11-MAR-96		27.9	ner	38.7
NO2, NO3 IN WATER	TP22	LIN	MDZW11X4		ZGPD	14-PEB-96	11-MAR-96		2000	UGL	198.0
Ž	TF22	ITN	MXZW11X4	DV4W*274	ZGFD	14-PKB-96	11-MAR-96	v	10	ngi,	198.0
SETTED IN WATER	7	TOTACK	200		į		1		;	ļ	
	1520	NZMBL	MAS/ULAZ		SHZA	13-FKB-96	27-FBB-96		248	ngr n	21.4
Z	TP26	NZKJEL	MD5701X2		SHZA	13-PEB-96	27-FEB-96		200	ner	21.4
Z	TF26	N2KJEL	MX5703X2		SHZA	14-PEB-96	27-PBB-96		495	ner	16.6
Z	TP26	NZKJEL	MD5703X2		SHBB	14-PEB-96	12-MAR-96		419	ner	16.6
Z	TP26	NZKJEL	MXAX04X2		SHBB	15-PEB-96	12-MAR-96	v	183	ngr	٥.
Z	TP26	NZKJBL	MDAX04X2	DV4W*457	SHBB	15-PEB-96	12-MAR-96	v	183	UGT	0.
Z	TP26	NZKJEL	MXZW11X4		SHBB	14-PEB-96	12-MAR-96	v	183	USI	٥.
NZKJEL IN WATER	TP26	NZKJEL	MDZW11X4	DV4W*456	SHBB	14-PEB-96	12-MAR-96	v	183	UGL	۰.
TOT. PO4 IN WATER	TF27	<u>%</u>	MX5701X2	DV4W*168	WHWB	13-PEB-96	27-FBB-96		13.6	UGT	2.2
Š	TP27	70	MD5701X2	DV4W*455	WHMB	13-PEB-96	27-FBB-96	v	13.3	ner	7
NI 50	TF27	<u>8</u>	MX5703X2	DV4W*172	WHMB	14-PEB-96	27-FBB-96		21.9	UGI	48.9
PO4 IN	TP27	8	MD5703X2	DV4W*458 1	SEMB	14-PEB-96	27-FEB-96	v	13.3	ner	48.9
NI To	TF27	70	MXAX04X2	DV4W*238 1	MENT N	15-PEB-96	27-FEB-96	v	13.3	UGE	٥.
PO4 IN	TP27	704	MDAX04X2	DV4W*457 1	MENTE:	15-PEB-96	27-FEB-96	v	13.3	UGL	•
. PO4 IN	TP27		MXZW11X4		MAN MA	14-PEB-96	27-FEB-96		22.7	ugr	52.2
TOT. PO4 IN WATER	TP27	5 0	MDZW11X4	DV4W*456 P	WHMB	14-PEB-96	27-PEB-96	v	13.3	UGL	52.2

Chemical Quality Control Report Installation: Fort Devens, MA (DV) Group 4 Sites

	IRDMIS		IRDMIS								•
Method Description	Method	Test Name	Sample	٠.	Lot 1	Sample Date	Analysis Date	v	Value	Value Unite	RPD
SOL TW WATED	77710	Ė	MD5701X2	DV4W*455 PI	PDRC 1	13-FBB-96	19-FEB-96		27400	UGE	8.4
į	011	ŧ	MX5701X2		•	13-PEB-96	19-FBB-96		25200	ner	8.4
7	TTTO	! មី	MX5703X2	DV4W*172 PI		14-FEB-96	19-FEB-96	v	2120	UGE	٥.
i	0	Ð	MD5703X2	DV4W*458 PI	PDTC :	14-FBB-96	26-PKB-96	v	2120	ngr	°.
1 2	1110) [MDAX04X2			15-FBB-96	26-PEB-96		15400	ner	•
1 2	1110	ੀ ਹ	MXAX04X2	DV4W*238 PI	PDTC 1	15-FEB-96	26-PEB-96		15400	UGL	o,
1 2	11.0	ម	MDZW11X4	DV4W*456 PI	PDTC :	14-PEB-96	26-PBB-96		20000	UGF	۰.
ä	TT10	병	MXZW11X4	DV4W*274 PI	POTC 1	14-PBB-96	26-FRB-96		20000	ner	•
OGHAN NT LOS	7 <u>1</u> 10	804	MD5701X2	DV4W*455 Pl	PDRC :	13-PBB-96	19-FEB-96		11000	ner	9.5
1 2	177	408	MX5701X2			13-FEB-96	19-FBB-96		10000	UGE	9.5
4 2		. 60	MX5703X2			14-PEB-96	19-PEB-96	v	10000	ner	۰.
SO4 IN WATER	1110	504	MD5703X2			14-PKB-96	26-PKB-96	v	10000	ngr	٥.
1 7	01.1.1	400	MXAX04X2	DV4W*238 PI	PDIC :	15-PBB-96	26-PEB-96		90000	UGI	8.1
4 2	0	408	MDAX04X2		PDTC 1	15-PKB-96	26-PKB-96		83000	UGL	8.1
<u> </u>	1110	804	MXZW11X4		•	14-PEB-96	26-FEB-96		15000	ner	•
1 2	0	408	MDZW11X4	DV4W*456 PI	PDTC 1	14-PEB-96	26-PKB-96		15000	nar	•
i		<u> </u>									
SM/ 22 VR GOTTEN NT STANG	R LWIT	124TCB	MD5701X2	DV4W*455 W	ZQQ.	13-FEB-96	26-FEB-96	v	1.8	COL	٥.
TN WATER BY	UM18	124TCB	MX5701X2		MDDV	13-PEB-96	26-PKB-96	v	1.8	UGL	•
TN WATER BY	CM18	124TCB	MX5703X2	DV4W*172 W	MDBJ	14-FEB-96	04-MAR-96	v	1.8	ngr	•
TN WATTER	UM18	124TCB	MD5703X2	DV4W*458 W	WDEJ :	14-PEB-96	04-MAR-96	v	1.8	UGL	0
TN WATER BY	UM18	124TCB	MDAX04X2	DV4W*457 WI	WDBJ :	15-PKB-96	04-MAR-96	v	1.8	UGE	0
TN WATER BY	UM18	124TCB	MXAX04X2	DV4W*238 WI	WDEJ	15-PEB-96	04-MAR-96	v	1.8	UGT	•
TN WATER BY	TMTB	124TCB	MDZW11X4	DV4W*456 W	MDD4	14-PEB-96	26-FEB-96	v	1.8	UGE	o.
IN WATER BY	UM18	124TCB	MXZW11X4		PODY	14-PEB-96	26-FKB-96	v	1.8	ner	o.
		100	WYESOTYS	W 9214W47	TOUR	12-FRR-96	26-PRB-96	٧	1.7	ner	o.
	8750	1217418	10.57016.			20-020-61	36-B04-36	٠,	1.7	ner.	o,
BNA'S IN WATER BY GC/MS	OM18	12DCLB	MD5701X2			13-550-90	06-004-07	,	;		
BNA'S IN WATER BY GC/MS	UM18	12DCLB	MD5703X2			14-FKB-96	04-MAR-96	v	` ;		•
BNA'S IN WATER BY GC/MS	UM18	12DCLB	MX5703X2			14-PKB-96	04-MAR-96	v		79 H	. '
IN WATER BY	UM18	12DCLB	MDAX04X2	DV4W*457 M	MOBU	15-PKB-96	04-MAR-96	v	7.	790	?

Chemical Quality Control Report Installation: Fort Devens, MA (DV) Group 4 Sites

Method Description	IRDMIS Method Code	Test Name	IRDMIS Pield Sample Number		Soft	Sample Date	Analysis Date	v	Value	Units	RPD
BNA'S IN WATER BY GC/MS	UM18	12DCLB	MXAX04X2	DV4W*238 V	WDBJ	15-PBB-96	04-MAR-96	ı 'v	1.7	UGE	
BNA'S IN WATER BY GC/MS	UMIB	12DCLB	MXZW11X4	DV4W*274 P	MDDA	14-PBB-96	26-FEB-96	v	1.7	Ten	٥.
BNA'S IN WATER BY GC/MS	UM18	12DCLB	MDZW11X4	DV4W*456 V	WDDY	14-FEB-96	26-FBB-96	v	1.7	ugr	o.
IN WATER BY	UM18	12DMB	MD5703X2	DV4W*458 P	WDBJ	14-FBB-96	04-MAR-96		ĸ	ugr	٥.
BNA'S IN WATER BY GC/MS	UM18	12DMB	MX5703X2	DV4W*172 V	WDBJ	14-PBB-96	04-MAR-96		S)	ner	•
BNA'S IN WATER BY GC/MS	UM18	12DPH	MX5701X2	DV4W*168 P	MODY	13-PEB-96	26-PEB-96	v	7	UGE	٥.
WATER BY	UM18	12DPH	MD5701X2	DV4W*455 P	MODY	13-PBB-96	26-FBB-96	v	8	UGE	٥.
IN WATER BY	UM18	12DPH	MX5703X2	DV4W*172 V	MDEJ	14-FBB-96	04-MAR-96	v	7	UGIT	۰.
IN WATER BY	UM18	12DPH	MD5703X2	DV4W*458 P	WDEJ	14-PEB-96	04-MAR-96	v	7	ner	۰.
IN WATER BY	UM18	12DPH	MDAX04X2	DV4W*457 P	WDBJ	15-PRB-96	04-MAR-96	v	7	CGL	٥.
IN WATER BY	UM18	12DPH	MXAX04X2	DV4W*238 P	WDBJ	15-PBB-96	04-MAR-96	v	7	UGE	o.
IN WATER BY	UM18	12DPH	MDZW11X4	DV4W*456 P	MODY	14-PBB-96	26-FEB-96	v	7	UGE	٥.
IN WATER BY	UM18	12DPH	MXZW11X4	DV4W*274 P	WDD	14-PEB-96	26-FEB-96	v	N	ngr	٥.
70 COMMEN AND	9	135740	MYCTOTY	TSUM CT 1-MANUT	1,210	14-PRH-96	04-MAR-96		30	Uat	40.0
IN WALLS DI	e TES	GUTCET	100 / CVI	7/1-42							
BNA'S IN WATER BY GC/MS	UM18	135TMB	MD5703X2	DV4W*458 WDBJ	Ď B	14-PEB-96	04-MAR-96		20	780	0.04
BNA'S IN WATER BY GC/MS	UM18	13DCLB	MD5701X2	DV4W*455 P	MODY	13-PEB-96	26-PEB-96	v	1.7	nor	٥.
IN WATER BY	UM18	13DCLB	MX5701X2	DV4W*168 P	WDDV	13-PBB-96	26-PBB-96	v	1.7	CGE	o.
WATER	UM18	13DCLB	MD5703X2	DV4W*458 P	WORZ	14-FBB-96	04-MAR-96	v	1.7	OGL	o.
IN NATER BY	UM18	13DCLB	MX5703X2	DV4W*172 \$	MOBJ	14-PEB-96	04-MAR-96	v	1.7	UGT	٥.
IN WATER BY	UM18	13DCLB	MXAX04X2	DV4W*238 P	WDEJ	15-PBB-96	04-MAR-96	v	1.7	UGI	۰.
IN WATER BY	UMIS	13DCLB	MDAX04X2	DV4W*457 P	WDBJ	15-PEB-96	04-MAR-96	v	1.7	UGT	۰.
IN WATER BY	UM18	13DCLB	MDZW11X4	DV4W*456 P	WDDV	14-FEB-96	26-PEB-96	v	1.7	ner	0.
IN WATER BY GC	UM18	13DCLB	MXZW11X4	DV4W*274 P	MDDJ	14-PKB-96	26-FBB-96	v	1.7	ner	٥.
уя однам му	8 1 361	13TMB	MX5703X2	DV4W*172 WDEJ	DRJ	14-PEB-96	04-MAR-96		σ,	Ten	25.0
NATER BY GO	UM18	13DMB	MD5703X2	DV4W*458 P	WDEJ	14-PEB-96	04-MAR-96		7	OGT	25.0
SMAN OF WATER BY CALMS	TMTB	14DCTB	MD5701X2	DV4W*455 WDDJ	Nda	13-PEB-96	26-PKB-96	v	1.7	ner	٥.
BNA'S IN WATER BY GC/MS	UM18	14DCLB	MX5701X2	DV4W*168 V	WDDA	13-FRB-96	26-FKB-96	v	1.7	ner	۰.
											•

Chemical Quality Control Report Installation: Fort Devens, MA (DV) Group 4 Sites

Method Description	IRDMIS Method Code	Test Name	IRDMIS Field Sample Number	Lab Number Lot	Sample Date	Analysis Date	v	Value Units	Unite	RPD
BNA G IN WATER BY GC/MS	UM18	14DCLB	MD5703X2	DV4W*458 WDBJ	14-FBB-96	04-MAR-96	. v	1.7	UGT	٥.
TN WATER BY G	UM18	14DCLB	MX5703X2	DV4W*172 WDBJ	14-PBB-96	04-MAR-96	v	1.7	UGI	۰.
BNA'S IN WATER BY GC/MS	UM18	14DCLB	MXAX04X2	DV4W*238 WDEJ	15-PBB-96	04-MAR-96	v	1.7	UGE	۰.
	UMIB	14DCLB	MDAX04X2	DV4W*457 WDEJ	15-PBB-96	04-MAR-96	v	1.7	UGE	٥.
IN WATER BY	UM18	14DCLB	MXZW11X4	DV4W*274 WDDJ	14-PEB-96	26-PEB-96	v	1.7	UGE	٥.
IN WATER BY	UM18	14DCLB	MDZW11X4	DV4W*456 WDDJ	14-PEB-96	26-FEB-96	v	1.7	UGI	o,
BNA S IN WATER BY GC/MS	UM18	245TCP	MD5701X2	DV4W*455 WDDJ	13-PEB-96	26-FRB-96	v	5.2	UGI	٥.
TN WATER RY G	UM18	245TCP	MX5701X2	DV4W*168 WDDJ	13-PEB-96	26-FBB-96	v	5.2	UST	٥.
IN WATER BY	UM18	245TCP	MX5703X2	DV4W*172 WDBJ	14-PBB-96	04-MAR-96	v	5.2	UGL	۰.
WATER BY	UM18	245TCP	MD5703X2	DV4W*458 WDBJ	14-PBB-96	04-MAR-96	v	5.2	UGL	0.
IN WATER BY G	CM18	245TCP	MDAX04X2	DV4W*457 WDBJ	15-PBB-96	04-MAR-96	v	5.2	ner	o.
IN WATER BY G	UM18	245TCP	MXAX04X2	DV4W*238 WDEJ	15-PBB-96	04-MAR-96	v	2.5	CCL	0
IN WATER	UM18	24STCP	MDZW11X4	DV4W*456 WDDJ	. 14-FEB-96	26-FEB-96	v	5.2	CGL	•
IN WATER BY	UM18	245TCP	MXZW11X4	DV4W*274 WDDJ	14-FEB-96	26-FEB-96	v	5.2	UGE	•
					0 0	000000000000000000000000000000000000000	,	•	TET.	c
IN WATER BY G	OM18	246TCP	MAS/ULAZ			20-02-07	, ,	•	121	: •
IN WATER BY G	UM18	24 eTCP	MD5701X2			26-FKB-96	v ·	7 .		
IN WATER BY G	UM18	246TCP	MD5703X2			04-MAK-96	v ·	7. 0	72	
BNA'S IN WATER BY GC/MS	UM18	246TCP	MX5703X2			04-MAR-96	v	4.2	ายา	?
BNA'S IN WATER BY GC/MS	UM18	24 eTCP	MXAX04X2	DV4W*238 WDBJ	•	04-MAR-96	v	4.2	Ten.	•
IN WATER BY G	UM18	246TCP	MDAX04X2	DV4W*457 WDBJ	•	04-MAR-96	v	4.2	UGL	•
IN WATER BY G	UMTB	246TCP	MDZW11X4	DV4W*456 WDDJ	14-PEB-96	26-FBB-96	v	4.5	UGL	٥.
IN WATER BY G	UM18	246TCP	MXZW11X4	DV4W*274 WDDJ	14-FBB-96	26-FEB-96	v	4.2	ngr N	۰.
RNA 'S TN WATER BY GC/MS	UM18	24DCLP	MD5701X2	DV4W*455 WDDJ	13-PKB-96	26-PKB-96	v	2.9	ner	o.
TN WATER BY G	UM18	24DCLP	MX5701X2	DV4W*168 WDDJ	13-PEB-96	26-FEB-96	v	5.9	UGL	•
IN WATER BY	UM18	24DCLP	MX5703X2	DV4W*172 WDEJ	14-FBB-96	04-MAR-96	v	5.9	UGI	۰.
WATER BY	UM18	24DCLP	MD5703X2	DV4W*458 WDBJ	14-PEB-96	04-MAR-96	v	5.9	UGI	٥.
TN WATER BY	UM18	24DCLP	MDAX04X2	DV4W*457 WDBJ	15-PEB-96	04-MAR-96	v	5.9	ner	•
IN WATER BY	UM18	24DCLP	MXAX04X2	DV4W*238 WDEJ	15-PEB-96	04-MAR-96	v	5.9	CCL	٥.
IN WATER BY	UMIB	24DCLP	MDZW11X4	DV4W*456 WDDJ	14-PBB-96	26-FEB-96	v	5.9	UGI	٥.
IN WATER BY	UM18	24DCLP	MXZW11X4	DV4W*274 WDDJ	14-PEB-96	26-FRB-96	v	2.9	UGI	۰.

Chemical Quality Control Report Installation: Fort Devens, MA (DV) Group 4 Sites

Method Description	IRDMIS Method Code	Test Name	IRDMIS Field Sample Number	Lab Number	Iot	Sample Date	Analysis Date	v	Value	Value Units	RPD
,					:	; ; ; ; ;					
BNA'S IN WATER BY GC/MS	UM18	24DMPN	MX5701X2	DV4W*168	MDDV	13-PKB-96	26-PEB-96	v	S.	UGI	•
IN WATER BY	UM18	24DMPN	MD5701X2	DV4W*455	MDDY	13-PBB-96	26-PBB-96	v	5.8	UGI	۰.
IN WATER BY	UM18	24DMPN	MD5703X2	DV4W*458	WDE	14-PEB-96	04-MAR-96	v	5.8	ner n	۰.
IN WATER BY	UM18	24DMPN	MX5703X2	DV4W*172	WDEJ	14-PEB-96	04-MAR-96	v	5.	ner	•
IN WATER BY	UM18	24DMPN	MXAX04X2	DV4W*238	WDEJ	15-PEB-96	04-MAR-96	v	5.8	CGE	۰.
IN WATER BY	UM18	24DMPN	MDAX04X2	DV4W*457	WDBJ	15-PEB-96	04-MAR-96	v	5.8	ner	•
IN WATER BY	UM18	24DMPN	MDZW11X4	DV4W*456 WDDJ	MDDG	14-PEB-96	26-FBB-96	v	8.8	UGE	o.
IN WATER BY	UM18	24DMPN	MXZW11X4	DV4W*274	MODA	14-PEB-96	26-FEB-96	v	70 60	ngr	o.
BNA S TN WATER BY GC/MS	UM18	24DNP	MD5701X2	DV4W*455	MDD	13-PEB-96	26-PEB-96	v	21	Jen	o.
IN WATER BY	UMIB	24DNP	MX5701X2	DV4W*168	MOD	13-PEB-96	26-FEB-96	v	21	ner	•
IN WATER BY	UM18	24DNP	MX5703X2	DV4W*172	WDBJ	14-PBB-96	04-MAR-96	v	21	ner	۰.
TN WATER BY	17418	24DNP	MD5703X2	DV4W*458	WDEJ	14-PEB-96	04-MAR-96	v	21	ner	٥.
IN WATER BY	UMTB	24DNP	MDAX04X2	DV4W*457	WDEJ	15-FEB-96	04-MAR-96	v	77	UGE	o.
IN WATER BY	UM18	24DNP	MXAX04X2	DV4W*238	WDEJ	15-PEB-96	04-MAR-96	v	21	ngr	۰.
IN WATER BY	UM18	24DNP	MDZW11X4	DV4W*456	MOD	14-PKB-96	26-PKB-96	v	71	OGE	•
WATER BY	UM18	24DNP	MXZW11X4	DV4W*274	MDD	14-PEB-96	26-PEB-96	v	21	ngr	o.
BNA CELTA WATER BY CELMS	TIMIT	24DNT	MX5701X2	DV4W*168	FOOM	13-PKB-96	26-PKB-96	v	4.5	COST	o.
IN WATER BY	UMTB	24DNT	MD5701X2	DV4W*455	MDDV	13-PEB-96	26-PBB-96	v	4 .5	UGT	۰.
BY	UM18	24DNT	MD5703X2	DV4W*458	WDEJ	.14-PEB-96	04-MAR-96	v	4.5	UGI	°.
IN WATER BY	UM18	24DNT	MX5703X2	DV4W*172	WDEJ	14-FEB-96	04-MAR-96	v	. 5	UGE	o.
IN WATER BY	UM18	24DNT	MXAX04X2	DV4W*238	WDBJ	15-PEB-96	04-MAR-96	v	4.5	ŒĽ	o.
IN WATER BY	UM18	24DNT	MDAX04X2	DV4W*457	WDEJ	15-PEB-96	04-MAR-96	v	4.5	ner	•
IN WATER BY	UM18	24DNT	MDZW11X4	DV4W*456	MOD	14-PEB-96	26-PEB-96	v	4.5	CGL	o.
IN WAITER BY	UM18	24DNT	MXZW11X4	DV4W*274	NOOM	14-PEB-96	26-PEB-96	v	4.5	ngr n	o.
					1	20 000	30.000.30	,	10	The state of	•
	OM18	ZPDNT	27TO/501	DASH \$22	300	06-043-57	06-003-07	,	: 1	3 !	: '
BNA'S IN WATER BY GC/MS	UM18	26DNT	MX5701X2	DV4W*168	2	13-PKB-96	26-FEB-96	v	.79	750	9.
IN WATER BY	UM18	26DNT	MX5703X2	DV4W*172	MORT	14-PEB-96	04-MAR-96	v	.79	ugir	٥.
IN WATER BY	UM18	26DNT	MD5703X2	DV4W*458	WDEJ	14-PEB-96	04-MAR-96	v	.79	USI	o.
IN WATER BY	UM18	26DNT	MDAX04X2	DV4W*457	WDEJ	15-PEB-96	04-MAR-96	v	.79	ner	o.

Chemical Quality Control Report Installation: Fort Devens, MA (DV) Group 4 Sites

15-FEB-96
DV4W*456 WDDJ 14-PBB-96 26-PBB-96 DV4W*456 WDDJ 14-PBB-96 26-PBB-96 DV4W*168 WDDJ 13-PBB-96 26-PBB-96 DV4W*455 WDDJ 13-PBB-96 26-PBB-96 DV4W*455 WDDJ 14-PBB-96 04-WAR-96 DV4W*458 WDBJ 14-PBB-96 04-WAR-96 DV4W*456 WDDJ 14-PBB-96 04-WAR-96 DV4W*456 WDDJ 14-PBB-96 26-PBB-96 DV4W*456 WDDJ 13-PBB-96 26-PBB-96 DV4W*456 WDDJ 13-PBB-96 26-PBB-96 DV4W*456 WDDJ 14-PBB-96 26-PBB-96 DV4W*457 WDBJ 14-PBB-96 04-WAR-96 DV4W*457 WDBJ 14-PBB-96 26-PBB-96 DV4W*456 WDDJ 14-PBB-96 26-PBB-96 DV4W*456 WDDJ 14-PBB-96 26-PBB-96 DV4W*456 WDDJ 14-PBB-96 26-PBB-96 DV4W*458 WDBJ 14-PBB-96 26-PBB-96
DV4W*274 WDD 14-FBB-96 26-FBB-96 DV4W*168 WDD 13-FBB-96 26-FBB-96 DV4W*455 WDD 13-FBB-96 26-FBB-96 DV4W*455 WDD 14-FBB-96 04-WAR-96 DV4W*458 WDB 14-FBB-96 04-WAR-96 DV4W*457 WDB 15-FBB-96 04-WAR-96 DV4W*456 WDD 14-FBB-96 26-FBB-96 DV4W*274 WDD 13-FBB-96 26-FBB-96 DV4W*274 WDD 14-FBB-96 26-FBB-96 DV4W*274 WDD 14-FBB-96 26-FBB-96 DV4W*274 WDD 14-FBB-96 04-WAR-96 DV4W*274 WDD 14-FBB-96 04-WAR-96 DV4W*274 WDD 14-FBB-96 04-WAR-96 DV4W*274 WDD 14-FBB-96 26-FBB-96 DV4W*278 WDD 14-FBB-96 26-FBB-96 DV4W*218 WDD 14-FBB-96 26-FBB-96 DV4W*218 WDD 14-FBB-96 26-FBB-96
DV4W*168 WDDJ 13-PEB-96 26-PEB-96 26-PEB-96 20-PEB-96
DV4W*455 WDDJ 13-FBB-96 26-FBB-96 c DV4W*172 WDBJ 14-PBB-96 04-WAR-96 c DV4W*172 WDBJ 15-FBB-96 04-WAR-96 c DV4W*278 WDBJ 15-FBB-96 04-WAR-96 c DV4W*278 WDBJ 15-FBB-96 04-WAR-96 c DV4W*456 WDDJ 14-FBB-96 26-FBB-96 c DV4W*168 WDDJ 13-FBB-96 26-FBB-96 c DV4W*158 WDDJ 13-FBB-96 26-FBB-96 c DV4W*172 WDBJ 14-FBB-96 04-WAR-96 c DV4W*274 WDBJ 14-FBB-96 04-WAR-96 c DV4W*274 WDBJ 14-FBB-96 04-WAR-96 c DV4W*274 WDBJ 14-FBB-96 04-WAR-96 c DV4W*274 WDDJ 14-FBB-96 26-FBB-96 c DV4W*274 WDDJ 14-FBB-96 26-FBB-96 c DV4W*274 WDDJ 14-FBB-96 26-FBB-96 c DV4W*278 WDBJ 14-FBB-96 26-FBB-96 c DV4W*25 WDDJ 14-FBB-96 <t< td=""></t<>
DV4W*172 WDBJ 14-FBB-96 04-WAR-96 DV4W*458 WDBJ 14-FBB-96 04-WAR-96 DV4W*458 WDBJ 15-FBB-96 04-WAR-96 DV4W*457 WDBJ 15-FBB-96 04-WAR-96 DV4W*457 WDBJ 14-FBB-96 26-FBB-96 DV4W*456 WDDJ 14-FBB-96 26-FBB-96 DV4W*458 WDBJ 13-FBB-96 26-FBB-96 DV4W*458 WDBJ 13-FBB-96 04-WAR-96 DV4W*457 WDBJ 14-FBB-96 04-WAR-96 DV4W*457 WDBJ 14-FBB-96 04-WAR-96 DV4W*456 WDDJ 14-FBB-96 04-WAR-96 DV4W*456 WDDJ 14-FBB-96 26-FBB-96 DV4W*456 WDDJ 14-FBB-96 26-FBB-96 DV4W*458 WDBJ 13-FBB-96 26-FBB-96 DV4W*458 WDBJ 14-FBB-96 26-FBB-96 DV4W*458 WDBJ 14-FBB-96 04-WAR-96 DV4W*458 WDBJ 14-FBB-96 04-WAR-96
DV4W*458 WDEJ 14-FBB-96 04-WAR-96 DV4W*458 WDEJ 15-FBB-96 04-WAR-96 DV4W*457 WDEJ 15-FBB-96 04-WAR-96 DV4W*274 WDEJ 14-FBB-96 26-FBB-96 DV4W*274 WDEJ 14-FBB-96 26-FBB-96 DV4W*274 WDEJ 13-FBB-96 26-FBB-96 DV4W*172 WDEJ 14-FBB-96 04-WAR-96 DV4W*172 WDEJ 15-FBB-96 04-WAR-96 DV4W*274 WDEJ 15-FBB-96 04-WAR-96 DV4W*274 WDEJ 14-FBB-96 04-WAR-96 DV4W*274 WDEJ 14-FBB-96 04-WAR-96 DV4W*274 WDEJ 14-FBB-96 26-FBB-96 DV4W*45 WDEJ 14-FBB-96 26-FBB-96 DV4W*45 WDEJ 14-FBB-96 26-FBB-96 DV4W*45 WDEJ 14-FBB-96 26-FBB-96 DV4W*23 WDEJ 14-FBB-96 04-WAR-96 DV4W*45 WDEJ 14-FBB-96 04-WAR-96
DV4W*238 WDEJ 15-FBB-96 04-WAR-96 DV4W*457 WDEJ 15-FBB-96 04-WAR-96 DV4W*457 WDEJ 14-FBB-96 26-FBB-96 DV4W*456 WDD 14-FBB-96 26-FBB-96 DV4W*458 WDD 13-FBB-96 26-FBB-96 DV4W*458 WDD 14-FBB-96 04-WAR-96 DV4W*457 WDEJ 14-FBB-96 04-WAR-96 DV4W*457 WDEJ 15-FBB-96 04-WAR-96 DV4W*457 WDEJ 14-FBB-96 26-FBB-96 DV4W*456 WDD 14-FBB-96 26-FBB-96 DV4W*457 WDEJ 14-FBB-96 26-FBB-96 DV4W*458 WDD 14-FBB-96 26-FBB-96 DV4W*458 WDD 14-FBB-96 26-FBB-96 DV4W*458 WDS 14-FBB-96 26-FBB-96 DV4W*458 WDS 14-FBB-96 26-FBB-96 DV4W*238 WDS 14-FBB-96 26-FBB-96 DV4W*23 WDS 14-FBB-96
DV4W*457 WDBJ 15-FBB-96 04-WAR-96 DV4W*456 WDDJ 14-PBB-96 26-FBB-96 DV4W*456 WDDJ 14-PBB-96 26-FBB-96 DV4W*458 WDDJ 13-PBB-96 26-FBB-96 DV4W*458 WDBJ 13-PBB-96 26-FBB-96 DV4W*458 WDBJ 14-PBB-96 04-WAR-96 DV4W*458 WDBJ 15-PBB-96 04-WAR-96 DV4W*458 WDBJ 15-PBB-96 04-WAR-96 DV4W*456 WDDJ 14-PBB-96 26-FBB-96 DV4W*456 WDDJ 13-PBB-96 26-FBB-96 DV4W*458 WDBJ 13-PBB-96 26-FBB-96 DV4W*458 WDBJ 13-PBB-96 04-WAR-96 DV4W*458 WDBJ 13-PBB-96 04-WAR-96 DV4W*458 WDBJ 14-PBB-96 26-FBB-96 DV4W*458 WDDJ 14-PBB-96 26-FBB-96 DV4W*458 WDDJ 14-PBB-96 26-FBB-96 DV4W*458 WDDJ 14-PBB-96 26-FBB-96 DV4W*458 WDDJ 13-PBB-96 26-FBB-96 DV4W*4
DV4W*456 WDDJ 14-FBB-96 26-FBB-96 DV4W*274 WDDJ 14-FBB-96 26-FBB-96 DV4W*274 WDDJ 13-FBB-96 26-FBB-96 DV4W*168 WDDJ 13-FBB-96 26-FBB-96 DV4W*172 WDBJ 14-FBB-96 04-WAR-96 DV4W*278 WDBJ 14-FBB-96 04-WAR-96 DV4W*274 WDBJ 15-FBB-96 04-WAR-96 DV4W*274 WDDJ 14-FBB-96 26-FBB-96 DV4W*274 WDDJ 14-FBB-96 26-FBB-96 DV4W*274 WDDJ 13-FBB-96 26-FBB-96 DV4W*274 WDDJ 13-FBB-96 26-FBB-96 DV4W*275 WDBJ 13-FBB-96 26-FBB-96 DV4W*458 WDBJ 14-FBB-96 04-WAR-96 DV4W*458 WDBJ 14-FBB-96 04-WAR-96 DV4W*457 WDBJ 14-FBB-96 04-WAR-96 DV4W*456 WDDJ 14-FBB-96 26-FBB-96 DV4W*456 WDDJ 14-FBB-96
DV4W*274 WDDJ 14-FBB-96 26-FBB-96 DV4W*455 WDDJ 13-FBB-96 26-FBB-96 DV4W*168 WDDJ 13-FBB-96 26-FBB-96 DV4W*172 WDBJ 14-FBB-96 04-WAR-96 DV4W*278 WDBJ 14-FBB-96 04-WAR-96 DV4W*278 WDBJ 15-FBB-96 04-WAR-96 DV4W*276 WDBJ 14-FBB-96 04-WAR-96 DV4W*278 WDBJ 14-FBB-96 26-FBB-96 DV4W*168 WDDJ 13-FBB-96 26-FBB-96 DV4W*178 WDDJ 13-FBB-96 26-FBB-96 DV4W*178 WDDJ 14-FBB-96 26-FBB-96 DV4W*28 WDBJ 13-FBB-96 26-FBB-96 DV4W*28 WDBJ 14-FBB-96 04-WAR-96 DV4W*28 WDBJ 15-FBB-96 04-WAR-96 DV4W*45 WDDJ 14-FBB-96 04-WAR-96 DV4W*45 WDDJ 14-FBB-96 26-FBB-96 DV4W*45 WDDJ 14-FBB-96 <
DV4W*455 WDDJ 13-PEB-96 26-PEB-96 C DV4W*168 WDDJ 13-PEB-96 26-PEB-96 C DV4W*458 WDDJ 14-PEB-96 04-WAR-96 C DV4W*172 WDBJ 14-PEB-96 04-WAR-96 C DV4W*172 WDBJ 14-PEB-96 04-WAR-96 C DV4W*274 WDBJ 15-PEB-96 04-WAR-96 C DV4W*274 WDDJ 14-PEB-96 26-PEB-96 C DV4W*274 WDDJ 14-PEB-96 26-PEB-96 C DV4W*274 WDDJ 13-PEB-96 26-PEB-96 C DV4W*458 WDBJ 13-PEB-96 04-WAR-96 C DV4W*458 WDBJ 14-PEB-96 04-WAR-96 C DV4W*458 WDBJ 14-PEB-96 04-WAR-96 C DV4W*457 WDBJ 14-PEB-96 04-WAR-96 C DV4W*457 WDBJ 15-PEB-96 04-WAR-96 C DV4W*457 WDBJ 15-PEB-96 04-WAR-96 C DV4W*457 WDBJ 14-PEB-96 26-PEB-96 C DV4W*457 WDBJ 14-PEB-96 26-PEB-96 C DV4W*457 WDBJ 14-PEB-96 26-PEB-96 C DV4W*455 WDDJ 14-PEB-96 26-PEB-96 C DV4W*455 WDDJ 14-PEB-96 26-PEB-96 C DV4W*455 WDDJ 14-PEB-96 26-PEB-96 C DV4W*455 WDDJ 13-PEB-96 26-PEB-96 C
DV4W*168 WDDJ 13-FBB-96 26-FBB-96 DV4W*458 WDBJ 14-PBB-96 04-WAR-96 DV4W*477 WDBJ 15-FBB-96 04-WAR-96 DV4W*477 WDBJ 15-FBB-96 04-WAR-96 DV4W*456 WDDJ 14-PBB-96 04-WAR-96 DV4W*456 WDDJ 14-PBB-96 26-FBB-96 DV4W*456 WDDJ 13-PBB-96 26-FBB-96 DV4W*456 WDDJ 13-PBB-96 26-FBB-96 DV4W*458 WDBJ 13-PBB-96 04-WAR-96 DV4W*458 WDBJ 14-PBB-96 26-FBB-96 DV4W*458 WDBJ 14-PBB-96 26-FBB-96 DV4W*458 WDBJ 14-PBB-96 26-FBB-96 DV4W*458 WDDJ 14-PBB-96 26-FBB-96 DV4W*458 WDDJ 14-FBB-96 26-FBB-96 DV4W*458 WDDJ 14-FBB-96 26-FBB-96 DV4W*458 WDDJ 14-FBB-96 26-FBB-96 DV4W*458 WDDJ 13-PBB-96 26-FBB-96 DV4W*458 WDDJ 13-FBB-96 26-FBB-96 26-FBB-96 26
DV4W*458 WDBJ 14-FBB-96 04-WAR-96 DV4W*172 WDBJ 14-FBB-96 04-WAR-96 DV4W*457 WDBJ 15-FBB-96 04-WAR-96 DV4W*458 WDBJ 15-FBB-96 04-WAR-96 DV4W*274 WDBJ 14-FBB-96 26-FBB-96 DV4W*274 WDDJ 14-FBB-96 26-FBB-96 DV4W*455 WDDJ 13-FBB-96 26-FBB-96 DV4W*455 WDDJ 13-FBB-96 26-FBB-96 DV4W*458 WDBJ 14-FBB-96 04-WAR-96 DV4W*458 WDBJ 14-FBB-96 04-WAR-96 DV4W*457 WDBJ 15-FBB-96 04-WAR-96 DV4W*456 WDDJ 14-FBB-96 04-WAR-96 DV4W*457 WDBJ 14-FBB-96 04-WAR-96 DV4W*457 WDBJ 14-FBB-96 04-WAR-96 DV4W*457 WDDJ 14-FBB-96 26-FBB-96 DV4W*457 WDDJ 14-FBB-96 26-FBB-96 DV4W*458 WDDJ 14-FBB-96 26-FBB-96 DV4W*458 WDDJ 14-FBB-96 26-FBB-96 DV4W*458 WDDJ 14-FBB-96 26-FBB-96 DV4W*458 WDDJ 14-FBB-96 26-FBB-96 DV4W*455 WDDJ 13-FBB-96 26-FBB-96 26-FBB-96 DV4W*455 WDDJ 13-FBB-96 26-FBB-96 26
DV4W*172 WDEJ 14-FEB-96 04-WAR-96 < DV4W*172 WDEJ 15-FEB-96 04-WAR-96 < DV4W*257 WDEJ 15-FEB-96 04-WAR-96 < DV4W*257 WDEJ 14-FEB-96 26-FEB-96 C DV4W*274 WDDJ 14-FEB-96 26-FEB-96 C DV4W*274 WDDJ 13-FEB-96 26-FEB-96 C DV4W*155 WDDJ 13-FEB-96 26-FEB-96 C DV4W*455 WDDJ 13-FEB-96 04-WAR-96 C DV4W*238 WDEJ 14-FEB-96 04-WAR-96 C DV4W*258 WDEJ 15-FEB-96 04-WAR-96 C DV4W*457 WDEJ 15-FEB-96 04-WAR-96 C DV4W*457 WDEJ 15-FEB-96 04-WAR-96 C DV4W*457 WDEJ 14-FEB-96 26-FEB-96 C DV4W*457 WDEJ 14-FEB-96 26-FEB-96 C DV4W*457 WDEJ 14-FEB-96 26-FEB-96 C DV4W*455 WDDJ 14-FEB-96 26-FEB-96 C DV4W*455 WDDJ 14-FEB-96 26-FEB-96 C DV4W*455 WDDJ 13-FEB-96 26-FEB-96 C
DV4W457 WDBJ 15-F8B-96 04-MAR-96 < UUV4W4238 WDBJ 15-F8B-96 04-MAR-96 < UUV4W4238 WDBJ 14-F8B-96 26-F8B-96 < UUV4W4274 WDDJ 14-F8B-96 26-F8B-96 < UUV4W425 WDDJ 13-F8B-96 26-F8B-96 < UUV4W412 WDBJ 13-F8B-96 26-F8B-96 < UUV4W412 WDBJ 14-F8B-96 04-MAR-96 < UUV4W4238 WDBJ 14-F8B-96 04-MAR-96 < UV4W458 WDBJ 15-F8B-96 04-MAR-96 < UUV4W457 WDBJ 15-F8B-96 04-MAR-96 < UUV4W457 WDBJ 15-F8B-96 04-MAR-96 < UUV4W457 WDBJ 15-F8B-96 04-MAR-96 < UUV4W457 WDBJ 15-F8B-96 26-F8B-96 < UV4W457 WDDJ 14-F8B-96 26-F8B-96 < UV4W457 WDDJ 14-F8B-96 26-F8B-96 < UV4W455 WDDJ 14-F8B-96 26-F8B-96 < UV4W455 WDDJ 13-F8B-96 26-F8B-96 < UV4W455 WDDJ 13-F8B-96 26-F8B-96 < UUV4W455 WDDJ 13-F8B-96 26-F8B-96 < UV4W455 WDDJ 13-F8B-96 26-F8B-96 26-F8B-96 26-F8B-96 < UV4W455 WDDJ 13-F8B-96 26-F8B-96
DV4W*456 WDDJ 14-PRB-96 26-PRB-96 < DV4W*274 WDDJ 14-PRB-96 26-PRB-96 < DV4W*274 WDDJ 13-PEB-96 26-PRB-96 < DV4W*455 WDDJ 13-PEB-96 26-PRB-96 < DV4W*457 WDBJ 13-PEB-96 04-WAR-96 < DV4W*458 WDBJ 14-PEB-96 04-WAR-96 < DV4W*457 WDBJ 15-PEB-96 04-WAR-96 < DV4W*457 WDBJ 15-PEB-96 04-WAR-96 < DV4W*457 WDDJ 14-PEB-96 26-PEB-96 < DV4W*274 WDDJ 14-PEB-96 26-PEB-96 < DV4W*274 WDDJ 14-PEB-96 26-PEB-96 < DV4W*455 WDDJ 13-PEB-96 26-PEB-96 DV4W*274 WDDJ 14-FBB-96 26-FBB-96 < DV4W*456 WDDJ 13-FBB-96 26-FBB-96 < DV4W*455 WDDJ 13-FBB-96 26-FBB-96 < DV4W*455 WDDJ 14-FBB-96 04-WAR-96 < DV4W*458 WDBJ 14-FBB-96 04-WAR-96 < DV4W*238 WDBJ 15-FBB-96 04-WAR-96 < DV4W*238 WDBJ 15-FBB-96 04-WAR-96 < DV4W*457 WDBJ 15-FBB-96 26-FBB-96 DV4W*456 WDDJ 14-FBB-96 26-FBB-96 DV4W*274 WDDJ 14-FBB-96 26-FBB-96 DV4W*455 WDDJ 13-FBB-96 26-FBB-96
DV4W*168 WDDJ 13-PZB-96 26-PZB-96 DV4W*455 WDDJ 13-PZB-96 26-PZB-96 DV4W*172 WDZJ 14-PZB-96 04-WAR-96 DV4W*458 WDZJ 14-PZB-96 04-WAR-96 DV4W*457 WDZJ 15-PZB-96 04-WAR-96 DV4W*457 WDZJ 15-PZB-96 04-WAR-96 DV4W*457 WDZJ 14-PZB-96 26-PZB-96 DV4W*274 WDDJ 14-PZB-96 26-PZB-96 DV4W*275 WDDJ 13-PZB-96 26-PZB-96 DV4W*455 WDDJ 13-PZB-96 26-PZB-96 26
DV4W*455 WDDJ 13-FEB-96 26-FEB-96 DV4W*172 WDEJ 14-FEB-96 04-WAR-96 DV4W*458 WDEJ 14-FEB-96 04-WAR-96 DV4W*457 WDEJ 15-FEB-96 04-WAR-96 DV4W*457 WDEJ 15-FEB-96 04-WAR-96 DV4W*456 WDDJ 14-FEB-96 26-FEB-96 DV4W*274 WDDJ 14-FEB-96 26-FEB-96 DV4W*274 WDDJ 13-FEB-96 26-FEB-96 DV4W*455 WDDJ 13-FEB-96 26-FEB-96 26-FEB-96 DV4W*455 WDDJ 13-FEB-96 26-FEB-96 26-FEB-96 DV4W*455 WDDJ 13-FEB-96 26-FEB-96 26
DV4W*172 WDBJ 14-PBB-96 04-WAR-96 <
DV4W*458 WDBJ 14-PBB-96 04-MAR-96 < DV4W*238 WDBJ 15-PBB-96 04-MAR-96 < DV4W*274 WDBJ 15-PBB-96 04-MAR-96 < DV4W*274 WDDJ 14-PBB-96 26-PBB-96 < DV4W*274 WDDJ 14-PBB-96 26-PBB-96 < DV4W*274 WDDJ 13-PBB-96 26-PBB-96 < DV4W*455 WDDJ 13-PBB-96 26-PBB-96 < DV4W*455 WDDJ 13-PBB-96 26-PBB-96 < DV4W*455 WDDJ 13-PBB-96 26-PBB-96 < DV4W*455 WDDJ 13-PBB-96 26-PBB-96 < DV4W*455 WDDJ 13-PBB-96 26-PBB-96 < DV4W*455 WDDJ 13-PBB-96 26-PBB-96 < DV4W*455 WDDJ 13-PBB-96 26-PBB-96 < DV4W*455 WDDJ 13-PBB-96 26-PBB-96 < DV4W*455 WDDJ 13-PBB-96 26-PBB-96 < DV4W*455 WDDJ 13-PBB-96 26-PBB-96 < DV4W*455 WDDJ 13-PBB-96 26-PBB-96 < DV4W*455 WDDJ 13-PBB-96 26-PBB-96 < DV4W*455 WDDJ 13-PBB-96 26-PBB-96 < DV4W*455 WDDJ 13-PBB-96 26-PBB-96 < DV4W*455 WDDJ 13-PBB-96 26-PBB-96 < DV4W*455 WDDJ 13-PBB-96 26-PBB-96 < DV4W*455 WDDJ 13-PBB-96 26-PBB-96 < DV4W*455 WDDJ 13-PBB-96 26-PBB-96 < DV4W*455 WDDJ 13-PBB-96 26-PBB-96 < DV4W*455 WDDJ 13-PBB-96 26-PBB-96 < DV4W*455 WDDJ 13-PBB-96 26-PBB-96 < DV4W*455 WDDJ 13-PBB-96 26-PBB-96 < DV4W*455 WDDJ 13-PBB-96
DV4W*238 WDEJ 15-FEB-96 04-MAR-96 < DV4W*457 WDEJ 15-FEB-96 04-MAR-96 < DV4W*456 WDDJ 14-FEB-96 26-FEB-96 < DV4W*274 WDDJ 14-FEB-96 26-FEB-96 < DV4W*575 WDDJ 13-FEB-96 26-FEB-96 <
DV4W+457 WDBJ 15-PEB-96 04-WAR-96 < DV4W+254 WDDJ 14-PEB-96 26-PEB-96 < DV4W+274 WDDJ 14-PEB-96 26-PEB-96 < DV4W+455 WDDJ 13-PEB-96 26-PEB-96 <
DV4W*456 WDDJ 14-PEB-96 26-PEB-96 < DV4W*274 WDDJ 14-PEB-96 26-PEB-96 < DV4W*455 WDDJ 13-PEB-96 26-PEB-96 <
DV4W*274 WDDJ 14-PEB-96 26-PEB-96 < DV4W*455 WDDJ 13-PEB-96 26-PEB-96 <
DV4W*455 WDDJ 13-PBB-96 26-PRB-96 <
MX5701X2 DV4W*168 WDDJ 13-PEB-96 26-FEB-96 < 3.9

Chemical Quality Control Report Installation: Fort Devens, MA (DV) Group 4 Sites

RPD	0.	o,	٥.	°.	o.	o .	o.	°.	°.	٥.	۰.	٥.	٥.	۰.	•	о.	o.	۰.	0,	۰.	۰.	۰.	e.	٥.	۰.	۰.	٥.	۰.	۰.	۰.	•
Value Units	l Ten	ngr	ngr	UGL	ngr	Ten	ner	ugr	ngr	ust	ngr	ngr	ngr	UGE	į	ner.	ngr	ngr	ner	gr	ner	ugr	ner	UGE	ngr	ner	ngr	UGE	Œ	ZEL CEL	
Value	3.9	9.6	3.9	3.9	3.9	3.9	€.4	4.3	4.3	4.3	4 .3	4.3	4.3	4.3	1	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	12	12	12	12	12	12	12	,
v	 v !	v	v	v	٧	v	٧	v	٧	v	v	v	v	v		v	v	v	v	v	v	v	v	v	v	v	٧	v	v	٧	
Analysis Date	04-MAR-96	04-MAR-96	04-MAR-96	04-MAR-96	26-FEB-96	26-FEB-96	26-PBB-96	26-PEB-96	04-MAR-96	04-MAR-96	04-MAR-96	04-MAR-96	26-PKB-96	26-PKB-96	:	26-PKB-96	26-PEB-96	04-MAR-96	04-MAR-96	04-MAR-96	04-MAR-96	26-PEB-96	26-PEB-96	26-FBB-96	26-PEB-96	04-MAR-96	04-MAR-96	04-MAR-96	04-MAR-96	26-PEB-96	
Sample Date	14-PEB-96	14-PEB-96	15-FEB-96	15-FEB-96	14-PEB-96	14-PBB-96	13-PBB-96	13-FEB-96	14-PEB-96	14-PEB-96	15-PRB-96	15-PBB-96	14-PKB-96	14-FEB-96	;	13-PKB-96	13-PEB-96	14-PEB-96	14-PEB-96	15-PEB-96	15-FEB-96	14-PKB-96	14-PEB-96	13-FEB-96	13-PEB-96	14-PEB-96	14-PEB-96	15-PKB-96	15-PKB-96	14-PEB-96	
Š	WDEG	MOBJ	WDBJ	WDEU	MDD4	WDDA	MON		WDBJ	WDE	WDEJ	WDEJ	MODY:	MDD.				WDEG	WDEA	WDEJ	WDE	MODY	MDDM	ZQQY ZQQY	MDD	MOBU	WDBJ.	WDBJ	WDBJ	FDD	
Lab Number	DV4W*458	DV4W*172	DV4W*457	DV4W*238	DV4W*456	DV4W*274	DV4W*168	DV4W*455	DV4W*172	DV4W*458	DV4W*238	DV4W*457	DV4W*456	DV4W*274	-	DV4W*455	DV4W*168	DV4W*458	DV4W*172	DV4W*457	DV4W*238	DV4W*456	DV4W*274	DV4W*168	DV4W*455	DV4W*172	DV4W*458	DV4W*238	DV4W*457	DV4W*274	
IRDMIS Field Sample Number	MD5703X2	MX5703X2	MDAX04X2	MXAX04X2	MDZW11X4	MXZW11X4	MX5701X2	MD5701X2	MX5703X2	MD5703X2	MXAX04X2	MDAX04X2	MDZW11X4	MXZW11X4		MD5701X2	MX5701X2	MD5703X2	MX5703X2	MDAX04X2	MXAX04X2	MDZW11X4	MXZW11X4	MX5701X2	MD5701X2	MX5703X2	MD5703X2	MXAX04X2	MDAX04X2	MXZW11X4	
Test Name	2MP	2MP	2MP	2MP	2MP	2MP	ZNANIL	2NANIL	2 NANIL	2 NANIL	2 NANIL	2 NANI L	2 NANI L	2NANIL		2NP	2NP	ZNP	2NP	ZNP	2NP	2NP	2NP	33DCBD	33DCBD	33DCBD	33DCBD	33DCBD	33DCBD	33DCBD	
IRDMIS Method Code	UM18	UM18	UM18	UM18	UM18	UM18	UM18	UM18	UM18	UM18	UM18	UM18	UM18	UM18		UM18	UM18	UM18	UM18	UM18	UM18	UM18	UM18	09018	UM18	UM18	UM18	UM18	UM18	UM18	
Method Description	BNA'S IN WATER BY GC/MS						BNA'S IN WATER BY GC/MS	IN WATER BY		IN WATER BY	BNA'S IN WATER BY GC/MS	IN WATER BY	BNA'S IN WATER BY GC/MS	IN WATER BY			BNA'S IN WATER BY GC/MS	BNA'S IN WATER BY GC/MS	IN WATER BY	IN WATER BY	IN WATER BY	IN WATER BY	WATER BY	BNA'S IN WATER BY GC/MS	IN WATER BY G	IN WATER BY	IN WATER BY	IN WATER BY	IN WATER BY	WATER BY G	

Chemical Quality Control Report Installation: Fort Devens, MA (DV) Group 4 Sites

	;		IRDMIS								
•	Method	Test	Sample	qe 1		Sample	Analysis				
Method Description	Code	Name	Number	Number	Į.	Date	Date	V :	Value	Value Units	RPD
	; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ;										
BNA'S IN WATER BY GC/MS	UM18	3 NANIL	MD5701X2	DV4W*455	WDDY	13-FEB-96	26-FEB-96	v	4.9	ner	۰.
IN WATER BY G	UM18	3 NANIL	MX5701X2	DV4W*168	MDD	13-PEB-96	26-FBB-96	v	4.9	CCL	•
BX	UM18	3 NANIL	MD5703X2	DV4W*458	WDBJ	14-PEB-96	04-MAR-96	v	4.9	UGI	۰.
BY	UM18	3 NANIL	MX5703X2	DV4W*172	WDBJ	14-FEB-96	04-MAR-96	v	4.9	UGT	۰.
TN WATER BY	UM18	SNANIL	MDAX04X2	DV4W*457	WDBJ	15-PEB-96	04-MAR-96	v	4.9	USI	•
IN WATER BY	UM18	3 NANIL	MXAX04X2	DV4W*238	WDBJ	15-FEB-96	04-MAR-96	v	4.9	UGF	٥.
IN WATER BY	UM18	BINANIE	MDZW11X4	DV4W*456	MDD	14-PEB-96	26-FEB-96	v	4.9	USL	٥.
IN WATER BY	UM18	3 NANIL	MXZW11X4	DV4W*274	WDDY	14-FBB-96	26-FEB-96	v	4.9	ner	•
	.			00 0000		,	30 000	,		i de	c
IN WATER BY	OM18	46DN2C	MXS/ULXZ	DV4M*168	3	T3-FBB-90	06-093-07	v	1	3	•
BNA'S IN WATER BY GC/MS	UM18	46DN2C	MD5701X2	DV4W*455	FDD	13-PKB-96	26-PKB-96	v	11	ngr n	٥.
IN WATER BY	UM18	46DN2C	MD5703X2	DV4W*458	WDEA	14-FEB-96	04-MAR-96	v	11	UGT	٥.
IN WATER BY	UM18	46DN2C	MX5703X2	DV4W*172	WDBJ	14-PEB-96	04-MAR-96	v	17	ner	٥.
IN WATER BY G	UM18	46DN2C	MXAX04X2	DV4W*238	WDBJ	15-FEB-96	04-MAR-96	v	17	ner	•
IN WATER BY	UM18	46DN2C	MDAX04X2	DV4W*457	WDEJ	15-PKB-96	04-MAR-96	v	17	UGE	•
IN WATER BY	UM18	46DN2C	MDZW11X4	DV4W*456	MODA	14-PKB-96	26-FEB-96	v	17	UGI	•
IN WATER	UM18	46DN2C	MXZW11X4	DV4W*274	MDDT	14-PEB-96	26-PBB-96	v	17	UGE	o,
							;			•	•
BNA'S IN WATER BY GC/MS	UM18	4BRPPB	MD5701X2	DV4W*455		13-PKB-96	26-FKB-96	v	4.2	_	0
	UM18	4BRPPB	MX5701X2	DV4W*168	FOO!	13-PEB-96	26-FEB-96	v	4.2	uer	o.
IN WATER BY	UM18	4BRPPB	MX5703X2	DV4W*172	WDBJ	14-PEB-96	04-MAR-96	v	4.2	ngr	0
IN WATER	UM18	4BRPPB	MD5703X2	DV4W*458	WDEJ	14-PEB-96	04-MAR-96	v	4.2	ner	۰.
IN WATER BY	UM18	4BRPPB	MDAX04X2	DV4W*457	MORU	15-PEB-96	04-MAR-96	v	4.2	OGE	٥.
IN WATER BY	UM18	4BRPPR	MXAX04X2	DV4W*238	WDEJ	15-PEB-96	04-MAR-96	v	4.2	UGE	o.
IN WATER BY	UM18	4BRPPB	MDZW11X4	DV4W*456	MODA	14-PEB-96	26-FEB-96	v	4.2	UGI	٥.
BNA'S IN WATER BY GC/MS	UM18	4BRPPB	MXZW11X4	DV4W*274	MODY	14-FEB-96	26-FBB-96	v	4.2	UGE	۰.
BNA'S IN WATER BY GC/MS	UM18	4CANIL	MX5701X2	DV4W*168	MOD TO	13-PEB-96	26-FEB-96	v	7.3	rei.	•
IN WATER BY	UMIB	4CANIL	MD5701X2	DV4W*455	MODY	13-PEB-96	26-FEB-96	v	7.3	ner	۰.
IN WATER BY	UM18	4CANIL	MD5703X2	DV4W*458	WDEJ	14-PKB-96	04-MAR-96	v	7.3	ner	٥.
IN WATER BY	UM18	4CANIL	MX5703X2	DV4W*172	WDEJ	14-PEB-96	04-MAR-96	v	7.3	ner	۰.
IN WATER	UM18	4CANIL	MXAX04X2	DV4W*238	WDEJ	15-FKB-96	04-MAR-96	v	7.3	ngr	۰.

Chemical Quality Control Report Installation: Fort Devens, MA (DV) Group 4 Sites

ae Units RPD	UGF	a ugr	UGL	0. 130			t ugt.			1 UGL .0	t ugr 'o	ngr nor	UGT	מפני	1 UGL .0	UGE	ugr	ner	UGE	o. Oct.	ngr	2 UGL .0	T5n	ner	ner		ner	rugi 70	
value	A 7.3	× 7.5	< 7.3	v		v	v	v	•	v	v	5.1	< 5.1	< 5.1	< 5.1	< 5.1	< 5.1	< 5.1	< 5.1	. 52	< .52	, 5.	< .52	.5.	.5.	.5.	.5.	5.2	
Analysis Date	04-MAR-96	26-PKB-96	26-PBB-96	26-PBB-96	26-PBB-96	04-MAR-96	04-MAR-96	04-MAR-96	04-MAR-96	26-PBB-96	26-PEB-96	26-PRB-96	26-PBB-96	04-MAR-96	04-MAR-96	04-MAR-96	04-MAR-96	26-PBB-96	26-PKB-96	26-PBB-96	26-PBB-96	04-MAR-96	04-MAR-96	04-MAR-96	04-MAR-96	26-PBB-96	26-FKB~96	26-FKB-96	
Sample Date	15-PBB-96	14-PEB-96	14-FBB-96	13-PRB-96	13-PKB-96	14-PBB-96	14-PEB-96	15-PEB-96	15-PBB-96	14-FBB-96	14-PEB-96	13-PRB-96	13-PBB-96	14-PEB-96	14-PBB-96	15-PEB-96	15-PEB-96	14-PEB-96	14-PBB-96	13-PRB-96	13-PEB-96	14-PEB-96	14-PEB-96	15-PEB-96	15-PBB-96	14-PEB-96	14-PEB-96	13-PKB-96	
Lab Number Lot	DV4W*457 WDBJ	DV4W*456 WDDJ		TVAW*455 WOLT			DV4W*458 WDBJ	DV4W*457 WDBJ	DV4W*238 WDBJ	DV4W*274 WDDJ	DV4W*456 WDDJ	DV4W*168 WDDJ	DV4W*455 WDDJ	DV4W*458 WDBJ	DV4W*172 WDBJ	DV4W*238 WDBJ	DV4W*457 WDBJ	DV4W*456 WDDJ	DV4W*274 WDDJ	DV4W*455 WDDJ		DV4W*172 WDBJ	DV4W*458 WDBJ	DV4W*457 WDBJ	DV4W*238 WDEJ	DV4W*456 WDDJ	DV4W*274 WDDJ	DV4W*168 WDDJ	
IRDMIS Field Sample Number	MDAX04X2	MDZW11X4	MXZW11X4	MD5201X2	MX5701X2	MX5703X2	MD5703X2	MDAX04X2	MXAX04X2	MXZW11X4	MDZW11X4	MX5201X2	MD5701X2	MD5703X2	MX5703X2	MXAX04X2	MDAX04X2	MDZW11X4	MXZW11X4	MD5701X2	MX5701X2	MX5703X2	MD5703X2	MDAX04X2	MXAX04X2	MDZW11X4	MXZW11X4	MX5701X2	
Test	4CANIL	4CANTT.	4CANIL	76,774	7	לכונים ל	4cI3c	4c13c	4cL3c	4CL3C	4c13c	ACT. DDR	ACLPPR	4CLPPB	4CLPPB	4CLPPR	4CLPPB	4CLPPB	4CLPPB	4MP	4MP	4MP	4MP	4MP	4MP	4MP	4MP	4NANTI.	
IRDMIS Nethod Code	TM18	TMTR	UM18	1 100	I MI	IM18	CM18	C#18	UM18	UM18	UM18	TMIT	UM18	UM18	UM18	UM18	C#18	UM18	UM18	a twi	UM18	UM18	UM18	UM18	UM18	C#18	UMIB	11418	1
Method Description	BNA'S IN WATER BY GC/MS	TH WATER BY	BNA'S IN WATER BY GC/MS	on/JU Ad dalum at Diving	TN WATER BY GO	TN WATED BY	TN WATER	IN WATER	IN WATER	IN WATER		PH/ 20 WE DOWNER BY BURNE	IN WATER BY GC	TN WATTER BY GO	IN WATER BY	IN WATER BY GO	IN WATER BY	IN WATER BY GC	WATER- BY GO	PAN OF WATER BY CC/MS	IN WATER BY GC	IN WATER BY GC	IN WATER BY GO	IN WATER BY GO	IN WATER BY GO	IN WATER BY GO	IN WATER BY GC	Матир ВУ	Ş

Chemical Quality Control Report Installation: Fort Devens, MA (DV) Group 4 Sites

Method Description	IRDMIS Method Code	Test Name	IRDMIS Field Sample Number	Lab Number Lot	Sample Date	Analysis Date	v	Value	Unite	RPD
BNA S IN WATER BY GC/MS	UM18	4 NANIL	MD5703X2	DV4W*458 WDBJ	14-PEB-96	04-MAR-96	v	5.2	COL	٥.
TN WATER BY	UM18	4NANIL	MX5703X2	DV4W*172 WDBJ	14-FBB-96	04-MAR-96	v	2.5	UGL	٥.
1 2	UM18	4NANIL	MXAX04X2	DV4W*238 WDBJ	15-PBB-96	04-MAR-96	v	2.5	UGL	۰.
BNA S IN WATER BY GC/MS	UMIB	4NANIL	MDAX04X2	DV4W*457 WDBJ	15-FEB-96	04-MAR-96	v	2.5	OGE	o.
BNA S IN WATER BY GC/MS	UM18	4 NANIL	MDZW11X4	DV4W*456 WDDJ	14-FEB-96	26-PBB-96	v	5.2	OGL	۰.
WATER BY	UM18	4NANIL	MXZW11X4	DV4W*274 WDDJ	14-FEB-96	26-FEB-96	v	5.2	ner	٥.
SM/20 Ad dalke Mr oland	TIM1 a	4NP	MD5701X2	DV4W*455 WDDJ	13-PEB-96	26-PKB-96	v	12	ner	٥.
TN WATER BY	1M1	4NP	MX5701X2	DV4W*168 WDDJ	13-PEB-96	26-FEB-96	v	12	ngr	٥.
TO MATTER BY	TIMI	4NP	MX5703X2		14-PEB-96	04-MAR-96	v	12	ner	۰.
BY	UM18	4NP	MD5703X2	DV4W*458 WDEJ	14-FEB-96	04-MAR-96	v	12	UGE	٥.
WATER BY	UM18	4NP	MDAX04X2	DV4W*457 WDBJ	15-PEB-96	04-MAR-96	v	17	DGT	ė
WATER BY	UM18	4NP	MXAX04X2	DV4W*238 WDBJ	15-PKB-96	04-MAR-96	v	12	ner	۰.
WATER BY	UMIB	4NP	MDZW11X4	DV4W*456 WDDJ	14-PEB-96	26-FEB-96	v	12	OGE	o,
WATER BY	UM18	4NP	MXZW11X4	DV4W*274 WDDJ	14-FBB-96	26-FKB-96	v	15	UGF	٥.
		!		Trucks of the state of	17 000	90 000 90	,	4		c
	OM18	ABHC	MX5/01A2		13-500-30	06-989-07	, ,	• •		
WATER BY	UM18	ABHC	MD5701X2	DV4W*455 WDDV	13-FBB-96	26-EBB-36	v 1	* 4	121	? =
WATER BY	STMD	ABHC	MA5/03A2	DAGMIT/2 MDBO	14-200-06	04-M3D-96	, ,	٠ ٦	151.	
WATER BY	UM18	ABHC	2750/50M		36-003-4T	04-MAD-96	/ \	4	Treat.	
BNA'S IN WATER BY GC/RS	CHIE	ABHC	MXBX04X2		15-FRB-96	04-MAR-96	, v	*	ner	•
TH WATER BY	EM18	ABHC	MXZW11X4		14-PEB-96	26-FBB-96	v	4	OGL	۰.
WATER BY	UM18	ABHC	MDZW11X4		14-FEB-96	26-FBB-96	v	4	ner	0.
SM/CE AN WATER BY GE/MS	17M18	ACTIDAN	MD5701X2	DV4W*455 WDDJ	13-PEB-96	26-PKB-96	v	5.1	ner	٥.
TN WATER BY	UM18	ACLDAN	MX5701X2		13-PEB-96	26-FEB-96	v	5.1	CCL	۰.
TN WATER BY	UMIB	ACLDAN	MX5703X2	DV4W*172 WDBJ	14-PEB-96	04-MAR-96	•	5.1	UGE	0.
TN WATER BY	UM18	ACLDAN	MD5703X2	DV4W*458 WDBJ	14-PEB-96	04-MAR-96	v	5.1	UGE	٥.
WATER BY	UM18	ACLDAN	MDAX04X2	DV4W*457 WDBJ	15-FKB-96	04-MAR-96	v	5.1	UGI	٥.
IN WATER BY	UM18	ACLDAN	MXAX04X2	DV4W*238 WDBJ	15-PEB-96	04-MAR-96	v	5.1	OGE	o.
IN WATER BY	UM18	ACLDAN	MDZW11X4	DV4W*456 WDDJ	14~FEB-96	26-PKB-96	v	5.1	UGE	٥.
IN WATER BY	UM18	ACLDAN	MXZW11X4	DV4W*274 WDDJ	14-PEB-96	26-PBB-96	•	5.1	ngr ·	٥.

Chemical Quality Control Report Installation: Fort Devens, MA (DV) Group 4 Sites

Tegr	ner	gr	gr	ngr	gr	120	ngr M	ner	gr	ær	Œľ	13	190	g	ngr G	TOO	Igr	TOI.	25	ngr	g	Ten	ger	ner	ner n	ngr	ngr	ner	
9.2	9.5	9.5	9.5	9.5	9.5	9.5	9.5	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	1.7	1.7	1.7	17	1.7	1.7	1.7	1.7	5.	r.	'n	5.	'n	
; ; v ;	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	٧	v	v	v	v	v	v	v	v	v	v	v	
26-PKB-96	26-PEB-96	04-MAR-96	04-MAR-96	04-MAR-96	04-MAR-96	26-PEB-96	26-PKB-96	26-FBB-96	26-FEB-96	04-MAR-96	04-MAR-96	04-MAR-96	04-MAR-96	26-FKB-96	26-PKB-96	26-PEB-96	26-PBB-96	04-MAR-96	04-MAR-96	04~MAR-96	04-MAR-96	26-FBB-96	26-PBB-96	26-PEB-96	26-FBB-96	04-MAR-96	04-MAR-96	04-MAR-96	
13-PEB-96	13-PBB-96	14-FEB-96	14-PEB-96	15-PEB-96	15-PEB-96	14-PBB-96	14-PEB-96	13-PEB-96	13-PKB-96	14-PEB-96	14-PBB-96	15-PKB-96	15-PEB-96	14-PEB-96	14-PBB-96	13-PEB-96	13-FEB-96	.14-PEB-96	14-PEB-96	15-PEB-96	15-FEB-96	14-PEB-96	14-PEB-96	13-PEB-96	13-PEB-96	14-PEB-96	14-PEB-96	15-PKB-96	
MODA								MDDV :		WDEJ			WOR.	Page :	MDD4				_	WDE	WDEJ			MDD	MODY				
DV4W*45	DV4W*168	DV4W*172	DV4W*458	DV4W*457	DV4W*238	DV4W*456	DV4W*274	DV4W*45	DV4W*168	DV4W*172	DV4W*458	DV4W*457	DV4W*238	DV4W*456	DV4W*274	DV4W*455	DV4W*168	DV4W*172	DV4W*458	DV4W*457	DV4W*238	DV4W*456	DV4W*274	DV4W*168	DV4W*455	DV4W*458	DV4W*172	DV4W*238	
MD5701X2	MX5701X2	MX5703X2	MD5703X2	MDAX04X2	MXAX04X2	MDZW11X4	MXZW11X4	MD5701X2	MX5701X2	MX5703X2	MD5703X2	MDAX04X2	MXAX04X2	MDZW11X4	MXZW11X4	MD5701X2	MX5701X2	MX5703X2	MD5703X2	MDAX04X2	MXAX04X2	MDZW11X4	MXZW11X4	MX5701X2	. MD5701X2	MD5703X2	MX5703X2	MXAX04X2	
AENSLP	AKNSLF	ARNSLP	ABNSLP	ARNSLP	ABNSLP	ARNSIL	AENSLP	ALDRN	ALDRN	ALDRN	ALDRN	ALDRN	ALDRN	ALDRN	ALDRN	ANAPNB	ANAPNE	ANAPNB	ANAPNB	ANAPNB	ANAPNB	ANAPNE	ANAPNE	ANAPYL	ANAPYL	ANAPYL	ANAPYL	ANAPYL	
UM18	UMIB	UM18	UM18	UM18	UM18	UM18	UM18	UM18	UM18	UM18	UM18	UM18	UM18	UM18	UM18	UM18	UMIB	UM18	UM18	UM18	UM18	UM18	UM18	UM18	UM18	UM18	UM18	UM18	
IN WATER BY	IN WATER BY	BNA'S IN WATER BY GC/MS	BNA'S IN WATER BY GC/MS	BNA'S IN WATER BY GC/MS	BNA'S IN WATER BY GC/MS	IN WATER BY	BNA'S IN WATER BY GC/MS	BNA'S IN WATER BY GC/MS	BNA'S IN WATER BY GC/MS		BNA'S IN WATER BY GC/MS	WATER BY	WATER BY	IN WATER BY	BNA'S IN WATER BY GC/MS	BNA'S IN WATER BY GC/MS	WATER BY	WATER BY	BNA'S IN WATER BY GC/MS	BNA'S IN WATER BY GC/MS	BNA'S IN WATER BY GC/MS		ana's in water by GC/MS	BX	WATER BY	WATER BY	BNA'S IN WATER BY GC/MS	ANA'S IN WATER BY GC/MS	
	IN WATER BY GC/MS UM18 ARNSLP MD5701X2 DV4W*455 WDDJ 13-PEB-96 26-PEB-96 < 9.2	IN WAITER BY GC/MS UMIS AENSLE MD5701X2 DV4W*455 MDDJ 13-PEB-96 26-PEB-96 < 9.2 IN WAITER BY GC/MS UMIS AENSLE MX5701X2 DV4W*168 MDDJ 13-PEB-96 26-PEB-96 < 9.2	IN WATER BY GC/MS UM18 AERNSLP MD5701X2 DV4W*455 WDDJ 13-PEB-96 26-FEB-96 < 9.2 IN WATER BY GC/MS UM18 AERNSLP MX5703X2 DV4W*172 WDBJ 13-PEB-96 26-FEB-96 < 9.2 IN WATER BY GC/MS UM18 AERNSLP MX5703X2 DV4W*172 WDBJ 14-PEB-96 04-MAR-96 < 9.2	IN WATER BY GC/MS UM18 ARNSLP MD5701X2 DV4N*455 WDDJ 13-PBB-96 26-FBB-96 < 9.2 IN WATER BY GC/MS UM18 ARNSLP MX5701X2 DV4N*168 WDDJ 13-PBB-96 26-FBB-96 < 9.2 IN WATER BY GC/MS UM18 ARNSLP MX5703X2 DV4N*172 WDBJ 14-FBB-96 04-MAR-96 < 9.2 IN WATER BY GC/MS UM18 ARNSLP MD5703X2 DV4N*458 WDBJ 14-PBB-96 04-MAR-96 < 9.2	IN WATER BY GC/MS UM18 ARNSLP MD5701X2 DV4W*455 WDDJ 13-PBB-96 26-PBB-96 < 9.2 IN WATER BY GC/MS UM18 ARNSLP MX5701X2 DV4W*168 WDDJ 13-PBB-96 26-FBB-96 < 9.2 IN WATER BY GC/MS UM18 ARNSLP MX5703X2 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< 9.2 IN WATER BY GC/MS UM18 ARRSLP MD5701X2 DV4M*172 MDBJ 15-PEB-96 04-MAR-96 < 9.2 IN WATER BY GC/MS UM18 ARRSLP MD5701X2 DV4M*273 MDBJ 15-PEB-96 04-MAR-96 < 9.2 IN WATER BY GC/MS UM18 ARRSLP MD5701X2 DV4M*274 MDDJ 14-PEB-96 26-FEB-96 < 9.2 IN WATER BY GC/MS UM18 ARRSLP MX5M11X4 DV4M*274 MDDJ 14-PEB-96 26-FEB-96 < 9.2 IN WATER BY GC/MS UM18 ALDRN MD5701X2 DV4M*455 MDDJ 13-PEB-96 26-FEB-96 < 4.7 IN WATER BY GC/MS UM18 ALDRN MX5701X2 DV4M*168 MDDJ 13-PEB-96 26-FEB-96 < 4.7 IN WATER BY GC/MS UM18 ALDRN MX5701X2 DV4M*168 MDDJ 13-PEB-96 26-FEB-96 < 4.7 IN WATER BY GC/MS UM18 ALDRN MX5701X2 DV4M*172 MDBJ 14-PEB-96 04-MAR-96 < 4.7 IN WATER BY GC/MS UM18 ALDRN MX5701X2 DV4M*172 MDBJ 14-PEB-96 04-MAR-96 < 4.7 IN WATER BY GC/MS UM18 ALDRN MX5701X2 DV4M*172 MDBJ 14-PEB-96 04-MAR-96 < 4.7	IN WATER BY GC/MS UM18 ARRSLP MX5701X2 DV4M*455 MDDJ 13-PEB-96 26-PEB-96 < 9.2 IN WATER BY GC/MS UM18 ARRSLP MX5701X2 DV4M*168 WDDJ 13-PEB-96 26-PEB-96 < 9.2 IN WATER BY GC/MS UM18 ARRSLP MX5701X2 DV4M*458 WDBJ 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BY GC/Ms Wile AENSLE WG570132 DV4M*455 WDD 13-PEB-96 G-FEB-96 C-FEB-96
Chemical Quality Control Report Installation: Fort Devens, MA (DV) Group 4 Sites

Method Description	IRDMIS Method Code	Test	IRDMIS Field Sample Number	Lab Number Lot	Sample Date	Analysis Date	V	Value	Value Unite	RPD
BNA'S IN WATER BY GC/MS	UM18	ANAPYL	MDAX04X2	DV4W*457 WDBJ	15-FEB-96	04-MAR-96	v	'n	UGI	0.
IN WATER BY GC	UM18	ANAPYL	MXZW11X4	DV4W*274 WDDJ	14-PBB-96	26-PBB-96	v	s.	UGF	
BY GC	UM18	ANAPYL	MDZW11X4	DV4W*456 WDDJ	14-PEB-96	26-PBB-96	v	η	UGF	e.
BNA'S IN WATER BY GC/HS	UM18	ANTRO	MD5701X2	DV4W*455 WDDJ	13-PKB-96	26-PBB-96	v	s.	ner	0.
IN WATER BY GC	UM18	ANTRO	MX5701X2	DV4W*168 WDDJ	13-PKB-96	26-FBB-96	v	ī.	UGE	٥.
IN WATER BY GC	UM18	ANTRC	MX5703X2	DV4W*172 WDBJ	14-PEB-96	04-MAR-96	v	ĸ.	ner	0
IN WATER BY GC	UM18	ANTRC	MD5703X2	DV4W*458 WDBJ	14-PEB-96	04-MAR-96	v	.5	UGL	٥.
IN WATER BY GC	UM18	ANTRC	MDAX04X2	DV4W*457 WDBJ	15-PKB-96	04-MAR-96	v	ĸ.	ngr Ten	٥.
IN WATER BY GC	UM18	ANTRC	MXAX04X2	DV4W*238 WDBJ	15-PEB-96	04-MAR-96	v	٠.	UGE	٥.
IN WATER BY GC	UM18	ANTRC	MDZW11X4	DV4W*456 WDDJ	14-PEB-96	26-PEB-96	v	'n	ngr	۰.
IN WATER BY GC	UM18	ANTRC	MXZW11X4	DV4W*274 WDDJ	14-PEB-96	26-FEB-96	v	ī.	OGL	٥.
		70000	24101131	Tara es tara	70-000-61	36"BA4"36	,	ď	itest.	e
IN WATER BY GC	STEE STEE	BECEAM	MAS/UIA2		13-PB-96	26-FEB-96	, ,			
IN WATER BY GO	8750	BZCEAM	TALU/CUM		14 770-06	20-MAP-02	, ,		121	
IN WATER BY GC	E S	BZCKAM	MU5/03A2		74 - 750 - 20	04-MM-90	, ,	1 .	101	? •
IN WATER BY GC	UMIB	BZCKXM	MX5/0372	DVENTILIZATION	14-FBD-36	04-MAR-96	v		Ter.	: -
2	CELE	BZCEAM	MAAKU4A2	-	15-778-96	04-MAR-96	, \		120	. 0
BUA'S IN WAIBA BY COVERS	TMIR	BOCROM	MDZW11X4	-	14-PEB-96	26-FEB-96	, v	1.5	UGE	•
IN WATER BY GC	UM18	B2CEXM	MXZW11X4		14-PEB-96	26-PKB-96	v	1.5	ner	o.
BNA'S IN WATER BY GC/MS	UM18	B2CIPB	MD5701X2	DV4W*455 WDDJ	13-PEB-96	26-PBB-96	v	5.3	OGE	۰.
	UM18	B2CIPB	MX5701X2	DV4W*168 WDDJ	13-PEB-96	26-FBB-96	v	5.3	ngr	0.
IN WATER BY	UM18	B2CIPE	MX5703X2	DV4W*172 WDBJ	14-PKB-96	04-MAR-96	v	5.3	ner	٥,
IN WATER BY GC	UM18	B2CIPB	MD5703X2	DV4W*458 WDBJ	14-PEB-96	04-MAR-96	v	S,	ær	0.
IN WATER BY GC/	UM18	B2CIPB	MDAX04X2	DV4W*457 WDBJ	15-PEB-96	04-MAR-96	v	5.3	ner	٥.
IN WATER BY GC	UMIB	B2CIPB	MXAX04X2	DV4W*238 WDBJ	15-PEB-96	04-MAR-96	v	5.3	ngr Mar	0.
IN WATER BY GC/	UM18	B2CIPB	MDZW11X4	DV4W*456 WDDJ	14-FEB-96	26-FEB-96	v	5.3	ner	٥.
IN WAITER BY GC,	UM18	B2CIPB	MXZW11X4	DV4W*274 WDDJ	14-PEB-96	26-PEB-96	v	5.3	75n	٥.
ON/ NO VO COTTON INT PLANT	0 T.M.1	ROCT.RR	WX5701X2	DV4W*168 WDDJ	13-PKB-96	26-PEB-96	v	1.9	Ten	o.
	TMIR	ROCT.RR	MD5701X2	DV4W*455 WDDJ	13-PKB-96	26-FKB-96	· v	6.1	UGE	٥.
IN MALINE DI GC	8110	70	-		: !		,	: 		

Chemical Quality Control Report Installation: Fort Devens, MA (DV) Group 4 Sites

Method Description	IRDMIS Method Code	Test Name 	IRDMIS Field Sample Number		Sample Date 14-PEB-96	Analysis Date	V 1 V	Value 1.9	Units	RPO
UM18	60	B2CLBB	MD5703X2	-	14-PEB-96	04-MAR-96	v	1.9	ner ner	o.
CM18	•	B2CLEE	MXAX04X2		15-PEB-96	04-MAR-96	v	H 0	ner	٥.
UM18		B2CLBB	MDAX04X2	DV4W*457 WDBJ	15-PEB-96	04-MAR-96	v	1.9	ugr	۰.
UM18	60	B2CLRB	MDZW11X4	DV4W*456 WDDJ	14-PEB-96	26-PEB-96	v	1.9	UGF	o.
UM18	6 0	B2CLBB	MXZW11X4	DV4W*274 WDDJ	14-PEB-96	26-PEB-96	v	1.9	UGE	o.
UM18	60	B2EHP	MD5701X2	DV4W*455 WDDJ	13-PKB-96	26-PKB-96	v	4.8	UGE	o.
UM18	89	BZKHP	MX5701X2	DV4W*168 WDDJ	13-PEB-96	26-PEB-96	v	4.8	ngr	o.
UM18	8	B2 KHP	MX5703X2	DV4W*172 WDBJ	14-PBB-96	04-MAR-96	v	4.8	UGE	193.7
UM18	80	BZEHP	MD5703X2	DV4W*458 WDBJ	14-PEB-96	04-MAR-96		300	UGE	193.7
UM18	60	B2KHP	MXAX04X2	DV4W*238 WDBJ	15-PEB-96	04-MAR-96	v	4.8	UGI	193.7
UM18	80	BZEHP	MDAX04X2	DV4W*457 WDBJ	15-PKB-96	04-MAR-96		300	ngr	193.7
UM18	80	B2KHP	MDZW11X4	DV4W*456 WDDJ	14-FEB-96	26-PKB-96	v	4 .8	UGE	o.
UM18	a	B2KHP	MXZW11X4	DV4W*274 WDDJ	14-PKB-96	26-PKB-96	v	8.4	ngr	o.
UMIB	60	BAANTR	MX5701X2	DV4W*168 WDDJ	13-FEB-96	26-PKB-96	v	1.6	UGL	°.
UM18	80	BAANTR	MD5701X2	DV4W*455 WDDJ	13-PEB-96	26-FBB-96	v	1.6	OGE	٥.
UM18	80	BAANTR	MX5703X2	DV4W*172 WDBJ	14-PEB-96	04-MAR-96	v	1.6	ner	٥.
GM18	80	BAANTR	MD5703X2	DV4W*458 WDEJ	14-PEB-96	04-MAR-96	v	1.6	ner	٥.
UM18	60	BAANTR	MDAX04X2	DV4W*457 WDBJ	15-PEB-96	04-MAR-96	v	1.6	UGI	٥.
UM18	8	BAANTR	MXAX04X2	DV4W*238 WDBJ	15-PKB-96	04-MAR-96	v	1.6	ner	o.
GM18	œ	BAANTR	MDZW11X4	DV4W*456 MDDJ	14-FEB-96	26-FBB-96	v	1.6	ngr	•
UM18	60	BAANTR	MXZW11X4	DV4W*274 WDDJ	14-PEB-96	26-PBB-96	v	1.6	ngr	•
UM18	60	BAPYR	MD5701X2	DV4W*455 WDDJ	13-PEB-96	26-FEB-96	v	4.7	UGI	٥.
CM18	80	BAPYR	MX5701X2	DV4W*168 WDDJ	13-FEB-96	26-PEB-96	v	4.7	ner	•
GM18	•	BAPYR	MD5703X2	DV4W*458 WDEJ	14-FEB-96	04-MAR-96	v	4.7	ner	٥.
GM18	60	BAPYR	MX5703X2	DV4W*172 WDBJ	14-PEB-96	04-MAR-96	v	4.7	UGE	٥.
CM18	80	BAPYR	MXAX04X2	DV4W*238 WDBJ	15-PEB-96	04-MAR-96	v	4.7	ngr	o.
UM18	80	BAPYR	MDAX04X2	DV4W*457 NDBJ	15-FEB-96	04-MAR-96	v	4.7	UGE	٥.
CM18	60	BAPYR	MDZW11X4	DV4W*456 WDDJ	14-PEB-96	26-FEB-96	v	4.7	UGI	٥.
CM18	æ	BAPYR	MXZW11X4	DV4W*274 WDDJ	14-PEB-96	26-FEB-96	v	4.7	ner	•

Chemical Quality Control Report Installation: Fort Devens, MA (DV) Group 4 Sites

Method Description	IRDMIS Method Code	Test	IRDMIS Field Sample Number	Lab Number Lot	Sample Date	Analysis Date	v	Value Units	Units	RPD
BNA S IN WATER BY GC/MS	UM18	BBFANT	MX5701X2	DV4W*168 WDDJ	J 13-PEB-96	26-PEB-96	v	5.4	מפני	o.
IN WATER BY	UM18	BBFANT	MD5701X2	DV4W*455 WDDJ	J 13-PEB-96	26-FBB-96	٧	5.4	DOL	۰.
IN WATER BY	UM18	BBFANT	MX5703X2	DV4W*172 WDBJ	J 14-PEB-96	04-MAR-96	v	5.4	UGL	٥.
IN WATER BY	UM18	BBPANT	MD5703X2	DV4W*458 WDBJ	J 14-PBB-96	04-MAR-96	v	5.4	UGL	٥.
BNA'S IN WATER BY GC/MS	UM18	BBFANT	MDAX04X2	DV4W*457 WDBJ	J 15-PEB-96	04-MAR-96	v	5.4	UGL	۰.
IN WATER BY	UM18	BBFANT	MXAX04X2	DV4W*238 WDBJ	J 15-FEB-96	04-MAR-96	v	5.4	UGI	•
IN WATER BY	UM18	BBFANT	MDZW11X4	DV4W*456 WDDJ	J 14-PEB-96	26-FEB-96	v	5.4	UGE	٥.
BNA'S IN WATER BY GC/MS	UM18	BBFANT	MXZW11X4	DV4W*274 WDDJ	J 14-PEB-96	26-FEB-96	v	5.4	UGT	o.
IN WATER BY	UM18	BBHC	MD5701X2	DV4W*455 WDDJ	J 13-PKB-96	26-PEB-96	v	4	UGI	°.
BY	UM18	BBHC	MX5701X2	DV4W*168 WDDJ	J 13-PEB-96	26-PKB-96	v	*	OGL	°.
IN WATER BY	UM18	BBHC	MD5703X2	DV4W*458 WDEJ	J 14-FEB-96	04-MAR-96	v	4	UGE	۰.
Z	UM18	BBHC	MX5703X2	DV4W*172 WDBJ	J 14-PEB-96	04-MAR-96	v	*	UGE	۰.
IN WATER BY	UM18	BBHC	MXAX04X2	DV4W*238 WDBJ	J 15-PEB-96	04-MAR-96	v	4	UGI	•
IN WATER BY	UM18	BBHC	MDAX04X2	DV4W*457 WDBJ	J 15-FEB-96	04-MAR-96	v	4	ner	•
IN WATER BY	UM18	BBHC	MDZW11X4	DV4W*456 WDDJ	J 14-PKB-96	26-FBB-96	v	4	ner	•
IN WATER BY	UM18	BBHC	MXZW11X4	DV4W*274 WDDJ	J 14-PEB-96	26-PKB-96	v	4	ner	.
BNA 19 TN WATER BY GC/MS	UM18	BBZp	MX5701X2	DV4W*168 WDDJ	J 13-PEB-96	26-PKB-96	v	3.4	UGT	٥.
IN WATER BY	UM18	BBZP	MD5701X2	DV4W*455 WDDJ	J 13-FEB-96	26-FBB-96	v	¥.	OGL	٥.
IN WATER BY	UM18	BBZP	MX5703X2	DV4W*172 WDBJ	J 14-PEB-96	04-MAR-96	v	¥.	ner	°.
IN WATER BY	UM18	BBZP	MD5703X2	DV4W*458 WDBJ	J 14-PEB-96	04-MAR-96	v	3.4	UGE	•
IN WATER BY	UM18	BBZP	MDAX04X2	DV4#*457 WDBJ	J 15-PEB-96	04-MAR-96	v	3.4	USL	0.
IN WATER BY	UM18	BBZP	MXAX04X2	DV4W*238 WDBJ	J 15-PRB-96	04-MAR-96	v	3.4	UGE	0
IN WATER BY	UM18	BBZP	MDZW11X4	DV4W*456 WDDJ	J 14-PEB-96	26-PEB-96	v	₽. ₽	UGIT	۰.
BNA'S IN WATER BY GC/MS	UM18	BBZP	MXZW11X4	DV4W+274 WDDJ	J 14-PEB-96	26-PEB-96	v	3.4	ugr	•
					70	- mar	,	c		c
IN WATER BY	OM18	BKNSLP	MD5/01X2		•	06-09J-07	,	3.6	3	•
IN WATER BY	UM18	BENSIL	MX5701X2	DV4W*168 WDDJ		26-FBB-96	v	9.5	ner	ē.
IN WATER BY	UM18	BENSLP	MX5703X2	DV4W*172 WDBJ	J 14-PEB-96	04-MAR-96	v	9.5	UGL	•
IN WATER BY	UM18	BENSIL	MD5703X2	DV4W*458 WDBJ	J 14-PEB-96	04-MAR-96	v	9.5	OGL	٥.
BNA'S IN WATER BY GC/MS	UM18	BENSIF	MDAX04X2	DV4W*457 WDBJ	J 15-PEB-96	04-MAR-96	v	9.5	UGE	۰.

Chemical Quality Control Report Installation: Fort Devens, MA (DV) Group 4 Sites

RPD	•	2 0		•	۰.	۰.	۰.	۰.	۰.	o.	۰.	°.	•	•	0.	۰.	•	٥.	٥.	٥.	•	٥.	•	۰.	۰.	۰.	•	٥.	0	: '
Value Units		121	UGE		ner	ner	OGE	CCL	CCI	OGL	ner	ner	ner	ner	ner	UGI	ner	UGT	ner	ner	ngr	UGT	ner	ner	ner	UGT	ner	מפו	ust	3 i
Value			2.6	!	10	10	10	10	10	10	10	9	13	13	13	13	13	13	13	13	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	.87	:
v	, <u>;</u> , , ,	, ,	, ,	,	v	v	v	v	v	v	v	v	٧	٠,	v	٧	٧	v	v	v	v	v	v	v	v	v	v	v		,
Analysis Date	00.000	26-PZB-96	26-PRB-96	}	26-FBB-96	26-PEB-96	04-MAR-96	04-MAR-96	04-MAR-96	04-MAR-96	26-PRB-96	26-PEB-96	26-PKB-96	26-PKB-96	04-MAR-96	04-MAR-96	04-MAR-96	04-MAR-96	26-FEB-96	26-FEB-96	26-PRB-96	26-PEB-96	04-MAR-96	04-MAR-96	04-MAR-96	04-MAR-96	26-FEB-96	26-FKB-96	36-FXR-96	
Sample Date	900	14-PEB-96	14-PKB-96		13-PEB-96	13-FBB-96	14-PEB-96	14-PEB-96	15-PBB-96	15-PEB-96	14-FEB-96	14-PEB-96	13-PKB-96	13-FKB-96	14-PEB-96	14-PKB-96	15-PKB-96	15-PKB-96	14-PEB-96	14-PEB-96	13-PKB-96	13-PEB-96	14-FEB-96	14-PKB-96	15-FEB-96	15-PEB-96	14-PEB-96	14-PEB-96	13-PER-96	06-003-61
10					MDDJ	MDDY S	NDEJ	WDBJ	NDEJ	WDEJ	MODY S	LOGOW 1	MDDT			WDBJ	WDBJ	WDEJ	MON.	DOGW 1	MDDA	-	WDBJ	WDEJ	WDEJ	WDBJ	MODY :	MODY	TOOM :	3
Lab		TWAWAAEE	DV4W*274		DV4W*168	DV4W*455	DV4W*458	DV4W*172	DV4W*238	DV4W*457	DV4W*456	DV4W*274	DV4W*455	DV4W*168	DV4W*172	DV4W*458	DV4W*457	DV4W*238	DV4W*456	DV4W*274	DV4W*168	DV4W*455	DV4W*458	DV4W*172	DV4W*238	DV4W*457	DV4W*456	DV4W*274	TWAWAASS	CON CCT-HEAD
IRDMIS Field Sample Number		MDW11X4	MXZW11X4		MX5701X2	MD5701X2	MD5703X2	MX5703X2	MXAX04X2	MDAX04X2	MDZW11X4	MXZW11X4	MD5701X2	MX5701X2	MX5703X2	MD5703X2	MDAX04X2	MXAX04X2	MDZW11X4	MXZW11X4	MX5701X2	MD5701X2	MD5703X2	MX5703X2	MXAX04X2	MDAX04X2	MDZW11X4	MXZW11X4	MD5201X2	100 / COR
Test		DENICLE	BENGT.		BENZID	BENZID	BENZID	BENZID	BENZID	BENZID	BENZID	BENZID	RENZOB	BRNZOA	BENZOA	BENZOA	BENZOA	BENZOA	BENZOA	BENZOA	BCHIDY	BGHIPY	BGHIPY	BGHIPY	BGHIPY	BGHIPY	BGHIPY	BGHIPY	TWEENER	DULLAND
IRDMIS Method		9120	1741		UM18	UM18	UMIB	UM18	UM18	UM18	UMIB	UM18	There	STEEL STEEL	UMIB	UM18	UM18	UM18	UM18	UM18	17M1 A	UM18	CM18	UM18	UMIB	UM18	UM18	UM18	01761	915
Markod Descripting	nondranda i	BIA'S IN WATER BY GC/MS	DIANO TH WALLER DE GC/MG	TO VICTOR DI	BNA'S IN WATER BY GC/MS	IN WATER BY	IN WATER BY	IN WATER BY	IN WATER BY	IN WATER BY	IN WATER BY	IN WATER BY	PW/25 VR CETTER IN P. MA	TN WATER BY	IN WATER BY	IN WATER BY	IN WATER BY	IN WATER BY	IN WATER BY	WATER BY	BNA OF WATER BY GAME	IN WATER BY G	IN WATER BY	IN WATER BY	IN WATER BY	IN WATER BY	IN WATER BY	IN WATER	VA COTTON IN	BINA IS AN WALBK BI GC/MS

Chemical Quality Control Report Installation: Fort Devens, MA (DV) Group 4 Sites

Wethod Description	IRDMIS Method Code	Test Name	IRDMIS Field Sample Number	Lab Number L	Sot	Sample Date	Analysis Date	v	Value	Unite	RPD
BNA'S IN WATER BY GC/MS	UM18	BKFANT	MX5703X2		WDBJ	14-FBB-96	04-MAR-96		.87	UGE	o.
IN WATER BY	UM18	BKPANT	MD5703X2	DV4W*458 W	MOBU	14-PBB-96	04-MAR-96	v	.87	OGF.	٥.
IN WATER BY	UM18	BKPANT	MDAX04X2	DV4W*457 W	WDEG	15-PEB-96	04-MAR-96	v	.87	ner	٥.
IN WATER BY	UM18	BKFANT	MXAX04X2	DV4W*238 W	WDBJ	15-PEB-96	04-MAR-96	v	.87	UGE	o.
IN WATER BY	CM18	BKPANT	MDZW11X4	DV4W*456 W	MODA	14-PBB-96	26-FEB-96	v	.87	ner	٥.
IN WATER	UM18	BKFANT	MXZW11X4	DV4W*274 W	MDDA	14-PEB-96	26-PEB-96	v	. 87	UGT	o.
BWA OF WATER BY GE MS	81341	BZALC	MX5701X2	DV4W*168 W	MODU	13-PKB-96	26-FKB-96	•	.72	ner	•
TN WATER RY	8 F.M.1	BZALC	MD5701X2			13-PEB-96	26-FEB-96	٧	.72	UGE	0.
IN WATER BY	CM18	BZALC	MX5703X2			14-PEB-96	04-MAR-96	v	.72	UGE	٥.
IN WATER BY	UM18	BZALC	MD5703X2	-	NDEG	14-PEB-96	04-MAR-96	·	.72	TEX	٥.
IN WATER BY	UM18	BZALC	MXAX04X2	DV4W*238 W	MDEA	15-PBB-96	04-MAR-96	v	.72	UGE	ö
WATER BY	UM18	BZALC	MDAX04X2	DV4W*457 W	MDBJ	15-FEB-96	04-MAR-96	v	.72	ner	0.
IN WATER BY	UM18	BZALC	MDZW11X4	DV4W*456 W	MOD	14-PEB-96	26-FEB-96	v	.72	USE	•
	UM18	BZALC	MXZW11X4	DV4W*274 W	MODA	14-PBB-96	26-FBB-96	v	.72	Test.	o.
		1							•	į	
IN WATER BY GO	UM18	CARBAZ	MX5701X2			13-FKB-96	26-FKB-96	v		79)	
IN WATER BY	UM18	CARBAZ	MD5701X2			13-FRB-96	26-FEB-96	v	N	ner	٥.
IN WATER BY	UM18	CARBAZ	MX5703X2			14-PBB-96	04-MAR-96	v	71	UGE	o.
IN WATER BY	UM18	CARBAZ	MD5703X2	DV4W*458 W	MOBU	14-PEB-96	04-MAR-96	v	14	CGE	o.
BX	UM18	CARBAZ	MDAX04X2	DV4W*457 W	MOBU	15-FRB-96	04-MAR-96	v	ч	CCL	٥.
IN WATER BY	UM18	CARBAZ	MXAX04X2	DV4W*238 W	WDEJ :	15-PEB-96	04-MAR-96	v	71	UGE	o.
IN WATER BY	UM18	CARBAZ	MDZW11X4	DV4W*456 W	MDD4	14-PEB-96	26-PKB-96	v	7	UGE	o.
BNA'S IN WATER BY GC/MS	UM18	CARBAZ	MXZW11X4	DV4W*274 W	MOD.	14-FEB-96	26-FEB-96	v	N	ner	o.
IN WATER BY	UM18	CHRY	MX5701X2	DV4W*168 W	MODY :	13-FEB-96	26-PKB-96	v	2.4	ner	°.
IN WATER BY	UM18	CHRY	MD5701X2	DV4W*455 M	MODY :	13-PEB-96	26-PKB-96	v	2.4	COL	•
IN WATER BY	UM18	CHRY	MX5703X2	DV4W*172 W	WDBJ :	14-FEB-96	04-MAR-96	v	2.4	UGE	0
IN WATER BY	UM18	CHRY	MD5703X2	DV4W*458 W	WDBJ 1	14-FBB-96	04-MAR-96	v	2.4	UGL	٥.
IN WATER BY	UM18	CHRY	MXAX04X2	DV4N*238 W	WDBJ	15-PEB-96	04-MAR-96	v	2.4	UGE	0.
IN WATER BY	UM18	CHRY	MDAX04X2	DV4W*457 W	WDEJ 1	15-PRB-96	04-MAR-96	v	2.4	ngr	°.
IN WATER BY	UM18	CHRY	MDZW11X4		MDDA	14-PEB-96	26-FEB-96	v	2.4	ngr.	0
BNA'S IN WATER BY GC/MS	UM18	CHRY	MXZW11X4		• •	14-PEB-96	26-FEB-96	v	2.4	ner	•

Chemical Quality Control Report Installation: Fort Devens, MA (DV) Group 4 Sites

Method Description	IRDMIS Method Code	Test Name	IRDMIS Field Sample Number	Lab Number Lot	Sample Date	Analysis Date	v	/alue	Value Units	. RPD
	 									٠,
BNA'S IN WATER BY GC/MS	UM18	CL6BZ	MX5701X2		13-PEB-96	26-PKB-96	v	1.6	OGL	
WATER BY	UM18	CL6BZ	MD5701X2	DV4W*455 WDDJ	13-PBB-96	26-PEB-96	v	1.6	UGL	0.
IN WATER BY	UM18	CL6BZ	MX5703X2	DV4W*172 WDEJ	14-PEB-96	04-MAR-96	v	1.6	UGE	°.
IN WATER BY	UM18	CL6BZ	MD5703X2	DV4W*458 WDBJ	14-PEB-96	04-MAR-96	v	1.6	CGL	۰.
IN WATER	UMIB	28970	MXAX04X2	DV4W*238 WDBJ	15-PBB-96	04-MAR-96	•	1.6	UGL	٥.
IN WATER BY	UM18	CL6BZ	MDAX04X2	DV4W*457 WDBJ	15-PEB-96	04-MAR-96	v	1.6	UGL	٥.
IN WATER BY	CM18	CL6BZ	MDZW11X4	DV4W*456 WDDJ	14-FEB-96	26-PEB-96	v	1.6	UGE	۰.
IN WATER	UM18	CL6BZ	MXZW11X4	DV4W*274 WDDJ	14-PEB-96	26-PEB-96	v	1.6	Ten	٥.
BNA'S IN WATER BY GC/MS	UM18	CT 6CP	MD5701X2	DV4W*455 WDDJ	13-PEB-96	26-PKB-96	٧	8.6	ngr	۰.
IN WATER BY GO	UMIB	CLGCP	MX5701X2	DV4W*168 WDDJ	13-PKB-96	26-PKB-96	v	8.6	UGL	٥.
IN WATER BY GO	UM18	CLECP	MD5703X2	DV4W*458 WDEJ	14-PEB-96	04-MAR-96	v	8.6	UGL	۰.
IN WATER BY	UM18	CLECP	MX5703X2	DV4W*172 WDEJ	14-PEB-96	04-MAR-96	v	8.6	UGI	٥.
IN WATER BY GO	UM18	CLECP	MDAX04X2	DV4W*457 WDEJ	15-PEB-96	04-MAR-96	v	8.6	UGI	٥.
IN WATER BY	UM18	CLGCP	MXAX04X2	DV4W*238 WDBJ	15-PEB-96	04-MAR-96	•	9.6	ner	o.
IN WATER BY	UM18	CL6CP	MDZW11X4	DV4W*456 WDDJ	14-PKB-96	26-PEB-96	v	8.6	UGE	o.
BNA'S IN WATER BY GC/MS	UM18	CL6CP	MXZW11X4	DV4W*274 WDDJ	14-PEB-96	26-PKB-96	v	9.6	UGE	o.
PM/DE AR GETTEN NI BIRNE	E MILE	CLERT	MX5701X2	DV4W*168 WDDJ	13-PKB-96	26-FRB-96	v	1.5	UGE	٥.
IN WATER BY GC	UM18	CLEBT	MD5701X2	DV4W*455 WDDJ	13-FEB-96	26-PEB-96	v	1.5	ner	۰.
IN WATER BY GO	UM18	CLEBI	MX5703X2	DV4W*172 WDRJ	·14-PEB-96	04-MAR-96	v	1.5	ner	۰.
IN WATER BY	UM18	CLEBT	MD5703X2	DV4W*458 WDBJ	14-PEB-96	04-MAR-96	v	1.5	ner	°.
IN WATER BY	UM18	CLERT	MXAX04X2	DV4W*238 WDEJ	15-PBB-96	04-MAR-96	v	1.5	UGI	۰.
IN WATER BY	UM18	CLEBT	MDAX04X2	DV4W*457 WDBJ	15-PKB-96	04-MAR-96	v	1.5	UGI	۰.
IN WATER BY	UM18	CLERT	MDZW11X4	DV4W*456 WDDJ	14-PEB-96	26~FEB-96	v	1.5	ngr	٥.
IN WATER BY GO	UM18	CLEBT	MXZW11X4	DV4W*274 WDDJ	14-PEB-96	26-PBB-96	v	1.5	UGL	۰.
:						900	,		1	•
WATER BY GO	UM18	DEAHA	MX5701X2		13-FBB-36	06-09J-07	v	0	3	
WATER BY GC	UM18	DBAHA	MD5701X2	DV4W*455 MDDJ	13-FEB-96	26-PBB-96	v	6.5	ngr	۰.
WATER BY	UM18	DBAHA	MD5703X2	DV4W*458 WDBJ	14-PEB-96	04-MAR-96	v	6.5	UGL	٥.
IN WATER BY	UM18	DBAHA	MX5703X2	DV4W*172 WDBJ	14-PEB-96	04-MAR-96	v	6.5	UGT	•
IN WATER	UM18	DBAHA	MXAX04X2	DV4W*238 WDBJ	15-PKB-96	04-MAR-96	v	6.5	ner	٥.

Chemical Quality Control Report Installation: Fort Devens, MA (DV)

Method Description	IRDMIS Method Code	Test	IRDMIS Field Sample Number	Lab Number Lot	Sample t Date	Analysis Date	, , , ,	Value	Value Unite	RPD
BNA'S IN WATER BY GC/MS	UM18	DBAHA	MDAX04X2		•		v	6.5	USI	0. 0
IN WATER BY	UM18	DBAHA	MDZW11X4				v ·	ָ מַי	3 5	
BNA'S IN WATER BY GC/MS	UM18	DBAHA	MXZW11X4	DV4W*274 WD	WDDJ 14-PEB-96	6 26~FKB-96	v	o.	3	•
BNA'S IN WATER BY GC/MS	UM18	DBHC	MD5701X2	DV4W*455 WD	WDDJ 13-PRB-96	6 26-PKB-96	v	4	ner	o.
IN WATER BY G	UM18	DBHC	MX5701X2	DV4W*168 WD	WDDJ 13-PBB-96	6 26-FBB-96	v	₹*	ngr	°.
IN WATER BY	UM18	DBHC	MX5703X2	DV4W*172 WD	WDEJ 14-PEB-96	6 04-MAR-96	v	4	ner	o.
IN WAITER BY	UM18	DBHC	MD5703X2	DV4W*458 WD	WDEJ 14-PEB-96	6 04-MAR-96	v	*	ner	•
IN WATER BY	UM18	DBHC	MDAX04X2	DV4W*457 WD	WDBJ 15-PBB-96	6 04-MAR-96	v	4	ner	۰.
IN WATER BY	UM18	DBHC	MXAX04X2	DV4W*238 WD	WDBJ 15-PRB-96	6 04-MAR-96	v	→	UGL	٥.
IN WATER BY	UM18	DBHC	MDZW11X4	DV4W*456 WD	WDDJ 14-PBB-96	6 26-PKB-96	v	*	ner	۰.
IN WATER BY	UMIB	DBHC	MXZW11X4	DV4W*274 WD	WDDJ 14-FEB-96	6 26-FEB-96	v	4	ngr	٥.
			2010101	TATZES+160 EM	A9-828-61 TAM	36-888-9¢	•	1.7	מפר	0
IN WAILER BY G	9750	AD TABLE	When the		•		٠ ٧	1.7	UGI	0
IN WAIRK BY G	STED.	DBZFUK	AATO 1 CUM				′ \		Tight.	c
IN WATER BY G	UMJB	DBZFUK	MAS/03A2				/ \	-	iei.	0
IN WATER BY G	Cale	DBZFUK	MUS/0352		• •		, v	1.7	l de l	0
BNA'S IN WAIRK BY GC/MS	CHIE	DB &F UK	MYAYOAX				· v	1.7	ner	
IN WATER BY	TWIB	DRZPIR	MDZW11X4				v	1.7	UGE	۰.
IN WATER	UM18	DBZFUR	MXZW11X4		WDDJ 14-PEB-96	6 26-PBB-96	v	1.7	Ten.	•
BNA'S IN WATER BY GC/MS	UM18	DBP	MD5701X2	DV4W*455 WD	WDDJ 13-PRB-96	•	v	ď	UGL	٥.
IN WATER BY	UM18	DRP	MX5701X2	DV4W*168 WD	WDDJ 13-PEB-96	6 26-PBB-96	v	~	UGI	٥.
IN WATER BY	UM18	DRP	MD5703X2	DV4W*458 WD	WDEJ 14-PEB-96	6 04-MAR-96	v	7	UGE	٥.
IN WATER BY	UM18	DRP	MX5703X2	DV4W*172 WD	WDBJ 14-PEB-96	6 04-MAR-96	v	~	ner	٥.
TN WATER BY	UMIB	DRP	MDAX04X2	DV4W*457 WD	WDBJ 15-PEB-96	6 04-MAR-96	v	4	ngr	٥.
TN WATER BY	UM18	DRP	MXAX04X2	DV4W*238 WD	WDEJ 15-PEB-96	6 04-MAR-96	v	7	ær	٥.
TN WATER BY	UM18	DRP	MXZW11X4	DV4W*274 WD	WDDJ 14-PEB-96	6 26-FEB-96		5,1	ner	87.3
IN WATER	UM18	DRP	MDZW11X4	DV4W*456 WD	WDDJ 14-FEB-96	6 26-FEB-96	v	74	ner	87.3
	0.15	NGCIU	MD520172	TWAW+455 WD	WDD 13-PRB-96	6 26-PKB-96	v	4.7	Ten Mei	٥.
ENA'S IN WAIRK BY GC/MS	9 10	Dimorti	MUSIC CARRE				٠ ،	4	ing.	c
BNA'S IN WATER BY GC/MS	0M18	DIDEN	MX5701X2	DV4W*168 WD			,	;	3	•

Chemical Quality Control Report Installation: Fort Devens, MA (DV) Group 4 Sites

Method Description	IRDMIS Method Code	Test Name	IRDMIS Field Sample Number		Į.	Sample Date	Analysis Date	v	Value	Value Units	RPD
B		DLDRN	MX5703X2	DV4W*172	WDEJ	14-PEB-96	04-MAR-96	 v	4.7	ner	0.
IN WATER	UM18	DLDRN	MD5703X2	DV4W*458	WDEA	14-PBB-96	04-MAR-96	v	4.7	UGL	o.
IN WATER BY	UM18	DLDRN	MDAX04X2	DV4W*457	WDEJ	15-PBB-96	04-MAR-96	v	4.7	UGI	o.
IN WATER BY	UM18	DLDRN	MXAX04X2	DV4W*238	WDBJ	15-PBB-96	04-MAR-96	v	4.7	ngr	٥.
IN WATER BY	UM18	DLDRN	MDZW11X4	DV4W*456	MODA	14-FEB-96	26-FRB-96	v	4.7	ner	٥.
WATER BY	UM18	DLDRN	MXZW11X4	DV4W*274	MODY	14-PBB-96	26-FKB-96	v	4.7	ner	• ·
IN WATER BY	UM18	AW2	MD5701X2	DV4W*455	MDDA	13-PKB-96	26-PKB-96	v	1.5	UGE	•
IN WATER BY	UM18	DMD	MX5701X2	DV4W*168	MODY	13-PBB-96	26-FEB-96	v	1.5	ner	o.
IN WATER BY	UM18	DMP	MD5703X2	DV4W*458	WDEJ	14-PEB-96	04-MAR-96	v	1.5	UGE	o.
IN WATER BY	UM18	DMP	MX5703X2	DV4W*172	WDEJ	14-PEB-96	04-MAR-96	v	1.5	UGE	٥.
IN WATER BY	UM18	DMP	MXAX04X2	DV4W*238	WDBJ	15-PEB-96	04-MAR-96	V	1.5	UGE	٥.
IN WATER BY	UM18	DMP	MDAX04X2	DV4W*457	WDEJ	15-PEB-96	04-MAR-96	v	1.5	UGE	o.
IN WATER BY	UM18	DMP	MDZW11X4	DV4W*456	MDDA	14-FEB-96	26-PRB-96	v	1.5	ner	o.
WATER	UM18	DMP	MXZW11X4	DV4W*274	MODY	14-PEB-96	26-PEB-96	v	1.5	ner	٥.
TN WATER BY	UM18	DNBP	MD5701X2	DV4W*455	MODY	13-PEB-96	26-FKB-96	v	3.7	UGI	o.
IN WATER BY GC	UM18	DNBP	MX5701X2	DV4W*168	MDD	13-FBB-96	26-FKB-96	v	3.7	ner	0.
IN WATER BY GO	UM18	DNBP	MX5703X2	DV4W*172	WDEJ	14-FEB-96	04-MAR-96	v	3.7	ner	۰.
IN WATER BY	UM18	DNBP	MD5703X2	DV4W*458	WDBJ	14-PKB-96	04-MAR-96	v	3.7	OGE	°.
IN WATER BY GO	UM18	DNBP	MDAX04X2	DV4W*457 1	WDBJ	15-PKB-96	04-MAR-96	v	3.7	ner	٥.
IN WATER BY GO	UM18	DNBP	MXAX04X2	DV4W*238 1	WDBJ	15-FEB-96	04-MAR-96	v	3.7	ner	o.
IN WATER BY GO	UM18	DNBP	MDZW11X4	DV4W*456 1	WDDV	14-PKB-96	26-PKB-96	v	3.7	ngr	•
WATER BY GO	UM18	DNBP	MXZW11X4	DV4W*274 1	MODY	14-PEB-96	26-FEB-96	v	3.7	ner	o.
IN WATER BY	UM18	DNOP	MX5701X2	DV4W*168 1	MON.	13-FEB-96	26-FEB-96	v	15	ner	°.
IN WATER BY	UM18	DINOP	MD5701X2	DV4W*455 1	MODY	13-PEB-96	26-PKB-96	v	15	ugt	0.
IN WATER	UM18	DNOP	MD5703X2	DV4W*458	WDEJ	14-PEB-96	04-MAR-96	v	15	UGE	o.
IN WATER BY	UM18	DNOP	MX5703X2	DV4W*172 1	WDBJ	14-FEB-96	04-MAR-96	v	15	ner	۰.
IN WATER BY	UM18	. dong	MXAX04X2	DV4W*238 1	MDBJ	15-PKB-96	04-MAR-96	v	15	UGE	o.
IN WATER BY	UMIB	DNOP	MDAX04X2	DV4W*457	WDEJ	15-PKB-96	04-MAR-96	v	15	ner	٥.
IN WATER BY GC	UM18	DNOP	MXZW11X4	DV4H*274 1	MODA	14-PEB-96	26-PKB-96	v	15	ner	٥.
	UM18	DNOP	MDZW11X4	DV4W*456 I	WDDV	14-FEB-96	26-PKB-96	v	15	ner	°.

Chemical Quality Control Report Installation: Port Devens, MA (DV) Group 4 Sites

Method Description	IRDMIS Method Code	Test	IRDMIS Field Sample Number	Lab Number Lot	Sample Date	Analysis Date	P	alue	Value Units	RPD
MA DE MANAGE BY CC/MG	24.5	NOUNZ	MD5701X2	DV4W*455 WDDJ	13-PRB-96	26-PBB-96	٧	7.6	UGL	•
WATER BY	UM18	KNDRN	MX5701X2	-	13-FBB-96	26-PEB-96	v	9.7	UGE	٥.
WATER BY	UM18	RNDRN	MX5703X2		14-PEB-96	04-MAR-96	v	9.7	ner	۰.
IN WATER BY	UMIB	BNDRN	MD5703X2	DV4W*458 WDBJ	14-PEB-96	04-MAR-96	v	7.6	UGT	٥.
IN WATER BY	UM18	BNDRN	MDAX04X2	DV4W*457 WDBJ	15-FBB-96	04-MAR-96	v	7.6	UGE	o.
IN WATER BY	UM18	KNDRN	MXAX04X2	DV4W*238 WDBJ	15-PKB-96	04-MAR-96	v	7.6	UGL	°.
IN WATER BY	UM18	RNDRN	MDZW11X4	DV4W*456 WDDJ	14-FEB-96	26-FEB-96	v	7.6	UGT	٥.
IN WATER BY	UM18	ENDRN	MXZW11X4	DV4W*274 WDDJ	14-FEB-96	26-PEB-96	v	7.6	UGT	٥.
BNA 19 TN WATER BY GC/MS	UM18	ENDRNA	MD5701X2	DV4W*455 WDDJ	13-FKB-96	26-PKB-96	v	æ	USI	٥.
IN WATER BY	UM18	KNDRNA	MX5701X2		13-FEB-96	26-FBB-96	v	80	UGI	٥.
WATER BY	UM18	KNDRNA	MX5703X2	_	14-PEB-96	04-MAR-96	v	∞	ner	0
IN WATER BY	CM18	ENDRNA	MD5703X2	DV4W*458 WDBJ	14-FEB-96	04-MAR-96	v	œ	UGL	۰.
IN WATER BY	UM18	ENDRNA	MDAX04X2	DV4W*457 WDBJ	15-FEB-96	04-MAR-96	v	₩	UGI	۰.
IN WATER BY	UM18	KNDRNA	MXAX04X2	DV4W*238 WDBJ	15-FEB-96	04-MAR-96	v	60	UGL	•
IN WATER BY	UM18	ENDRNA	MDZW11X4	DV4M*456 WDDJ	14-PEB-96	26-FEB-96	v	æ	UGI	٥.
IN WATER BY	UM18	RNDRNA	MX ZW11X4	DV4W*274 NDDJ	14-PEB-96	26-FKB-96	v	œ	ngr n	•
SW/22 AN GOTTON IN STANS	10418	RNDRNK	MX5701X2	DV4W*168 WDDJ	13-PBB-96	26-FEB-96	v	۵	ner	0.
IN WATER BY	UM18	KNDRNK	MD5701X2		13-PKB-96	26-FKB-96	v	80	ngr .	٥.
IN WATER BY	UM18	BNDRNK	MX5703X2		14-FEB-96	04-MAR-96	v	8	UGE	٥.
IN WATER BY	UMIB	BNDRNK	MD5703X2	DV4W*458 WDBJ	14-PEB-96	04-MAR-96	v	œ	UGI	٥.
IN WATER BY	UM18	KNDRNK	MDAX04X2	DV4W*457 WDBJ	15-PEB-96	04-MAR-96	v	80	ner	•
IN WATER BY	UM18	RNDRNK	MXAX04X2	DV4W*238 WDEJ	15-PEB-96	04-MAR-96	v	60	UGE	٥.
IN WATER BY	UMIB	ENDRINK	MDZW11X4	DV4W*456 WDDJ	14-FEB-96	26-PRB-96	v	80	ner	۰.
IN WATER BY	UM18	KNDRNK	MXZW11X4	DV4W*274 WDDJ	14-PEB-96	26-PBB-96	v	∞	UGE	o.
										,
BNA'S IN WATER BY GC/MS	UM18	ESFSO4	MD5701X2	DV4W*455 WDDJ	13-PEB-96	26-FEB-96	v	9.5	UGL	•
IN WATER BY	UM18	RSPSO4	MX5701X2	DV4W*168 WDDJ	13-FEB-96	26-FEB-96	v	9.5	UGL	٥.
IN WATER BY	UM18	BSFS04	MD5703X2	DV4W*458 WDBJ	14-PEB-96	04-MAR-96	v	9.2	ugr	•
IN WATER BY	CM18	BSFS04	MX5703X2	DV4W*172 WDBJ	14-PEB-96	04-MAR-96	v	9.5	UGI	0
IN WATER BY	UM18	RSPSO4	MDAX04X2	DV4W*457 .WDBJ	15-PEB-96	04-MAR-96	v	9.5	UGE	٥.

Chemical Quality Control Report Installation: Fort Devens, MA (DV) Group 4 Sites

BNA'S IN WATER BY GC/MS UM18 BNA'S IN WATER BY GC/MS UM18 BNA'S IN WATER BY GC/MS UM18 BNA'S IN WATER BY GC/MS UM18 BNA'S IN WATER BY GC/MS UM18 BNA'S IN WATER BY GC/MS UM18 BNA'S IN WATER BY GC/MS UM18 BNA'S IN WATER BY GC/MS UM18 BNA'S IN WATER BY GC/MS UM18 BNA'S IN WATER BY GC/MS UM18 BNA'S IN WATER BY GC/MS UM18 BNA'S IN WATER BY GC/MS UM18 BNA'S IN WATER BY GC/MS UM18 BNA'S IN WATER BY GC/MS UM18 BNA'S IN WATER BY GC/MS UM18 BNA'S IN WATER BY GC/MS UM18 BNA'S IN WATER BY GC/MS UM18	BSPSO4 BSPSO4 BSPSO4 BT4MBZ BT4MBZ BT4MBZ BT4MBZ BTAMBZ BTAMBZ BTAMBZ BANT PANT PANT PANT PANT PANT PANT	MXZW11X4 MZZW11X4 MD5W11X4 MD5703X2 MX5703X2 MX5701X2 MX5701X2 MD5703X2 MD5703X2 MD5703X2 MD5703X2 MX5703X2 MX5703X2		15-F8B-96 14-P8B-96 14-P8B-96 14-P8B-96 14-P8B-96 13-P8B-96 14-P8B-96 14-P8B-96 14-P8B-96 14-P8B-96	26-FRB-96 26-FRB-96 26-FRB-96 04-WAR-96 04-WAR-96 04-WAR-96 26-FRB-96 26-FRB-96 04-WAR-96 04-WAR-96	v v v v v v	9 2 2 6 7 10 10 10 10 10 10 10 10 10 10 10 10 10	ien ien ien ien ien ien ien ien ien ien	000 000 00000
	BSPSO4 BSPSO4 BT4MBZ BT4MBZ BT4MBZ BT4MBZ BANT PANT PANT PANT PANT PANT PANT PANT	MXZW11X4 MD5703X2 MX5703X2 MX5703X2 MX5701X2 MD5703X2 MX5703X2 MX5703X2 MX5703X2 MX5703X2		14-PBB-96 14-PBB-96 14-PBB-96 14-PBB-96 14-PBB-96 13-PBB-96 14-PBB-96 14-PBB-96	26-FRB-96 26-FRB-96 04-MAR-96 04-MAR-96 04-WAR-96 26-FRB-96 04-WAR-96 04-WAR-96	v	2 2 1 1 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2		00 000 00000
	BSPSO4 ET4MBZ ET4MBZ ET4MBZ ET4MBZ PANT PANT PANT PANT PANT PANT PANT	MD5701X4 MD5703X2 MX5703X2 MX5703X2 MX5701X2 MX5701X2 MX5703X2 MX5703X2 MX5703X2 MX5703X2 MX5703X2		14-PBB-96 14-PBB-96 14-PBB-96 14-PBB-96 13-PBB-96 14-PBB-96 14-PBB-96	26-FBB-96 04-MAR-96 04-MAR-96 04-MAR-96 26-FBB-96 04-MAR-96 04-MAR-96	v vvv ₂	9 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		0 000 00000
	BT4MBZ BT4MBZ BT4MBZ BT4MBZ PANT PANT PANT PANT PANT PANT PANT	MD5703X2 MX5703X2 MD5703X2 MD5703X2 MD5703X2 MX5703X2 MX5703X2 MX5703X2		14-PRB-96 14-PRB-96 14-PRB-96 13-PRB-96 14-PRB-96 14-PRB-96 14-PRB-96	04-MAR-96 04-MAR-96 04-MAR-96 26-PEB-96 26-FEB-96 04-WAR-96 04-WAR-96	* * * * *	100 H M M M M M M M M M M M M M M M M M M	ner ner ner ner ner ner ner ner ner ner	
	ET4MBZ ET4MBZ PANT PANT PANT PANT PANT PANT PANT	MX5703X2 MD5703X2 MX5701X2 MD5703X2 MX5703X2 MD5703X2 MX6703X2		14-FEB-96 14-FEB-96 13-FEB-96 13-FEB-96 14-FEB-96 14-FEB-96 14-FEB-96	04-MAR-96 04-MAR-96 26-PBB-96 26-PBB-96 04-WAR-96 04-WAR-96	* * * * * !	20 mm m m	nar nar nar nar	
	BT4MBZ PANT PANT PANT PANT PANT PANT PANT PANT	MDS703X2 MXS701X2 MDS701X2 MXS703X2 MXAX04X2 MXAX04X2		14-PRB-96 13-PRB-96 13-PRB-96 14-PRB-96 14-PRB-96 15-PRB-96	26-PBB-96 26-PBB-96 26-PBB-96 04-PAR-96 04-MAR-96	* * * * * .	, m m m m	מפור מפור מפור	
	PANT PANT PANT PANT PANT PANT PANT PANT	MX5701X2 MD5701X2 MX5703X2 MD5703X2 MXAX04X2		13-PEB-96 13-PEB-96 14-PEB-96 14-PEB-96 15-PEB-96	26-FBB-96 26-FBB-96 04-MAR-96 04-MAR-96	* * * * * <u>.</u> '		מבר מפר מפר	66666
	PANT PANT PANT PANT PANT PANT PANT PANT	MD5701X2 MX5703X2 MD5703X2 MXAX04X2		13-FRB-96 14-PRB-96 14-FRB-96 15-FRB-96	26-PEB-96 04-MAR-96 04-MAR-96	~ ~ ~ ~		ngr ngr	6666
	PANT PANT PANT PANT PANT PANT	MX5703X2 MD5703X2 MXAX04X2 MD3X04X2		14-PRB-96 14-PRB-96 15-PRB-96	04-MAR-96 04-MAR-96	* * * ;	м н п. п.	ner	0000
	FANT FANT FANT FANT	MD5703X2 MXAX04X2 MD8X04X2		14-PRB-96 15-PRB-96	04-MAR-96	v v .	3.3		o o o
	PANT PANT PANT	MXAXO4X2		15-FEB-96	O.A.Mad.gr	v . '	!	ner	o c
	PANT PANT PANT	MDAYOLY2			> C = NNA1 = F.O		3.3	UGI	c
	PANT PANT		DV4W*457 WDBJ	15-PEB-96	04-MAR-96	v	3.3	OGE	•
	PANT	MDZW11X4	DV4W*456 WDDJ	14-PEB-96	26-PEB-96	v	3.3	UGL	•
		MXZW11X4	DV4W*274 WDDJ	14-FEB-96	26-PKB-96	v	3.3	ner	٥.
GC/MS UM18	FLRENE	MD5701X2	DV4W*455 WDDJ	13-FEB-96	26-FRB-96	v	3.7	Ten	٥.
GC/MS UM18	PLRENB	MX5701X2	DV4W*168 WDDJ	13-PEB-96	26-FBB-96	v	3.7	UGIT	٥.
	PLRENB	MX5703X2	DV4W*172 WDBJ	14-PEB-96	04-MAR-96	v	3.7	ner	۰.
	FLRENB	MD5703X2	DV4W*458 WDEJ	14-PEB-96	04-MAR-96	v	3.7	UGE	۰.
	PLRENB	MXAX04X2	DV4W*238 WDBJ	15-PEB-96	04-MAR-96	v	3.7	ner	۰.
/MS	PLRENB	MDAX04X2	DV4W*457 WDBJ	15-PEB-96	04-MAR-96	v	3.7	UGT	o.
	PLRENB	MDZW11X4	DV4W*456 WDDJ	14-PEB-96	26-FKB-96	v	3.7	UGL	٥.
C/MS UM18	FLRENB	MXZW11X4	DV4W*274 WDDJ	14-PBB-96	26-FKB-96	v	3.7	ngr n	o.
GC/MS UM18	GCLDAN	MD5701X2	DV4W*455 WDDJ	13-PEB-96	26-PKB-96	v	5.1	UGE	٥.
GC/MS UM18	GCLDAN	MX5701X2	DV4W*168 WDDJ	13-FEB-96	26-PKB-96	v	5.1	ngr	٥.
/MS	GCLDAN	MX5703X2	DV4W*172 WDBJ	14-PEB-96	04-MAR-96	v	5.1	UGL	۰.
X.S	GCLDAN	MD5703X2	DV4W*458 WDBJ	14-PEB-96	04-MAR-96	v	5.1	UGE	o.
C/MS UM18	GCLDAN	MDAX04X2	DV4W*457 WDBJ	15-PEB-96	04-MAR-96	v	5.1	ner	٥.
	GCLDAN	MXAX04X2	DV4W*238 WDBJ	15-PEB-96	04-MAR-96	v	5.1	ner	°.
MS	GCLDAN	MDZW11X4	DV4W*456 WDDJ	14-FEB-96	26-PKB-96	v	5.1	ngr	°.

Chemical Quality Control Report Installation: Port Devens, MA (DV) Group 4 Sites

Method Description	IRDMIS Method Code	Test	IRDMIS Field Sample Number	Lab Number	Iot	Sample Date	Analysis Date	v .	Value	Value Units	RPD
BNA'S IN WATER BY GC/MS	UM18	GCLDAN	MXZW11X4	DV4W*274 WDDJ	ADD	14-PBB-96	26-FBB-96	. v	5.1	ner	•
BNA'S IN WATER BY GC/MS	UM18	HCBD	MD5701X2	DV4W*455 1	WDDY	13-FBB-96	26-PBB-96	v	3.4	Ten	٥.
IN WATER BY	UM18	HCBD	MX5701X2	DV4W*168 1	MODY	13-FBB-96	26-FBB-96	v	3.4	OGE	۰.
IN WATER BY	UM18	HCBD	MX5703X2	DV4W*172 1	MDBJ	14-PBB-96	04-MAR-96	v	3.4	ner	•
IN WATER BY	UM18	HCBD	MD5703X2	DV4W*458	WDBJ	14-FEB-96	04-MAR-96	v	3.4	ng <u>r</u>	۰.
IN WATER BY	UM18	HCBD	MDAX04X2	DV4W*457	WDEJ	15-PEB-96	04-MAR-96	v	3.4	Tea	۰.
IN WATER BY	UM18	HCBD	MXAX04X2	DV4W*238	WDEJ	15-PEB-96	04-MAR-96	v	3.4	ner	۰.
IN WATER BY	UM18	HCBD	MDZW11X4	DV4W*456 1	MODA	14-PBB-96	26-FBB-96	v	3.4	UGE	o.
IN WATER BY	UM18	HCBD	MXZW11X4	DV4W*274 1	MODA	14-PEB-96	26-FKB-96	v	3.4	UGF	٥.
TN WATTER	UM18	HPCL	MD5701X2	DV4W*455 1	MODA	13-FBB-96	26-PBB-96	v	71	TOO	0
WATER BY	UM18	HPCL	MX5701X2		MDDV	13-PBB-96	26-FBB-96	v	7	Ten	o_
IN WATER BY	UM18	HPCL	MX5703X2	DV4W*172 P	MOBJ	14-FBB-96	04-MAR-96	v	7	ner	٥.
IN WATER BY	UM18	HPCL	MD5703X2	DV4W*458 V	WDBJ	14-FEB-96	04-MAR-96	v	~	UGI	o.
IN WATER BY	UM18	HPCL	MDAX04X2	DV4W*457 P	WOR	15-PEB-96	04-MAR-96	v	24	UGF	٥.
IN WATER BY	UMIB	HPCL	MXAX04X2	DV4W*238 V	WDEJ	15-FKB-96	04-MAR-96	v	7	UGL	o.
IN WATER BY	UM18	HPCL	MDZW11X4	DV4W*456 4	MODY	14-PEB-96	26-PEB-96	v	7	UGL	o.
IN WATER BY	UM18	HPCL	MXZW11X4	DV4W*274 V	MDDV	14-PKB-96	26-PKB-96	v	ч	UGE	•
PM/25 VR GETAN NT PLANE	13618	HPCLR	MX5701X2	DV4W*168 P	MODV	13-PKB-96	26-PBB-96	v	ιń	ner	°.
IN WATER BY	UM18	HPCLB	MD5701X2		MODY	13-FEB-96	26-FBB-96	v	īU	USI	•
IN WATER BY	UM18	HPCLB	MX5703X2	DV4W*172 P	WDEJ	14-FBB-96	04-MAR-96	v	R	ner	o.
IN WATER BY	UM18	HPCLE	MD5703X2	DV4W*458 P	WDEJ	14-PEB-96	04-MAR-96	v	15	UGIT	•
IN WATER	UM18	HPCLE	MDAX04X2	DV4W*457 P	WDEJ	15-PEB-96	04-MAR-96	v	Ŋ	UGE	e.
IN WATER BY	UM18	HPCLB	MXAX04X2	DV4W*238 V	WDEJ	15-PEB-96	04-MAR-96	v	r.	UGI	۰.
IN WATER BY	UM18	HPCLB	MDZW11X4	DV4W*456 P	MODV	14-PEB-96	26-FEB-96	v	ın	OGE	۰.
Z	UM18	HPCLB	MXZW11X4	DV4W*274 P	MDD	14-PEB-96	26-FEB-96	v	5	OGT	o.
BNA'S IN WATER BY GC/MS	UM18	ICDPYR	MX5701X2	DV4W*168 V	WDDY	13-PEB-96	26-FEB-96	v	8.6	ner	٥.
WATER BY	UM18	ICDPYR	MD5701X2		MODY	13-PBB-96	26-PEB-96	v	8.6	UGE	۰.
IN WATER	UM18	ICDPYR	MD5703X2	DV4W*458 P	WDEJ	14-FEB-96	04-MAR-96	v	9.8	ner	o.
IN WATER BY	UM18	ICDPYR	MX5703X2	DV4W*172 P	WDEJ	14-PKB-96	04-MAR-96	v	9.6	Ten	٥.

Chemical Quality Control Report Installation: Fort Devens, MA (DV) Group 4 Sites

			IRDMIS								•
Method Description	IRDMIS Method Code	Test	Field Sample Number		Lot B	Sample Date	Analysis Date	v :	Value	Value Units	RPD
BNA'S IN WATER BY GC/MS	UM18	ICOPYR	MXAX04X2	DV4W*238 WI	WDEC 1	15-PEB-96	04-MAR-96		8.6	UGL	
IN WATER BY G	UM18	ICDPYR	MDAX04X2	DV4W*457 M	•	15-PEB-96	04-MAR-96	•	8.6	ner	•
IN WATER BY GO	UM18	ICDPYR	MDZW11X4	DV4W*456 W	-	14-PEB-96	26-PEB-96	•	8.6	ner	0
WATER BY GO	UM18	ICDPYR	MXZW11X4	DV4W*274 WI	WDDJ 1	14-PBB-96	26-PEB-96	v	8.6	nar	۰.
RNA 15 IN WATER BY GC/MS	UM18	ISOPHR	MD5701X2	DV4W*455 M	WDDJ 1	13-PBB-96	26-PKB-96	v	4.8	ust	٥.
TN WATER BY	UM18	ISOPHR	MX5701X2			13-PRB-96	26-PBB-96	v	4.8	COL	٥.
	UM18	ISOPHR	MX5703X2			14-PEB-96	04-MAR-96	v	4.8	ner	٥.
IN WATER BY	UM18	ISOPHR	MD5703X2	DV4W*458 W	WDEJ 1	14-PEB-96	04-MAR-96	v	4.8	ner	o.
IN WATER BY	UM18	ISOPHR	MDAX04X2	DV4W*457 W	WDBJ 1	15-FBB-96	04-MAR-96	v	4.8	UGE	٥.
IN WATER BY	UM18	ISOPHR	MXAX04X2	DV4W*238 WI	WDBJ 1	15-PEB-96	04-MAR-96	v	4.8	UGT	٥.
IN WATER BY	UM18	ISOPHR	MDZW11X4	DV4W*456 WI	WDDJ 1	14-PEB-96	26-PKB-96	v	4.8	UGT	٥.
WATER BY	UMIB	ISOPHR	MXZW11X4	DV4W*274 WI	MDD.	14-PEB-96	26-PKB-96	v	4.8	UGE	٥.
		i							•	į	•
IN WATER BY	CM18	LIN	MD5701X2			13-PKB-96	26-FKB-96	v	*	del.	·
IN WATER BY	UM18	LIN	MX5701X2	DV4W*168 WI	MDD/ 1	13-PKB-96	26-PEB-96	v	*	ner	٥.
IN WATER BY	UM18	LIN	MX5703X2	DV4W*172 WI	WDBJ 1	14-PEB-96	04-MAR-96	v	*	ner	٥.
IN WATER BY	UM18	LIN	MD5703X2	DV4W*458 WI	WDEJ 1	14-PEB-96	04-MAR-96	v	4	UGI	٥.
WATER BY	UM18	LIN	MDAX04X2	DV4W*457 WI	WDEJ 1	15-PKB-96	04-MAR-96	v	*	ner	۰.
IN WATER BY	UM18	LIN	MXAX04X2	DV4W*238 W	WORJ 1	15-PEB-96	04-MAR-96	v	*	UGE	0.
IN WATER BY	UMIB	LIN	MDZW11X4	DV4W*456 WI	WDDJ 1	14-PEB-96	26-FKB-96	v	*	ngr	٥.
BNA'S IN WATER BY GC/MS	UM18	LIN	MXZW11X4	DV4W*274 W	NDDA .1	14-PEB-96	26-PKB-96	v	→	ner	e.
IN WATER BY	UM18	MEXCLR	MX5701X2	DV4W*168 W	WDDJ 1	13-PEB-96	26-PKB-96	v	5.1	ner	9.
IN WATER BY	UM18	MEXCLR	MD5701X2	DV4W*455 W	MDDJ 1	13-PEB-96	26-FBB-96	v	5.1	ner	٥.
IN WATER	UM18	MEXCLR	MX5703X2	DV4W*172 WI	WDBJ 1	14-PKB-96	04-MAR-96	v	5.1	UGL	٥.
IN WATER BY	UM18	MEXCLR	MD5703X2	DV4W*458 WI	WDEJ 1	14-PEB-96	04-MAR-96	v	5.1	ner ner	٥.
IN WATER BY	UM18	MEXCLR	MDAX04X2	DV4W*457 WI	WDEJ 1	15-PKB-96	04-MAR-96	v	5.1	ner	٥.
IN WATER BY	UM18	MEXCLR	MXAX04X2	DV4W*238 W	WDEJ 1	15-PEB-96	04-MAR-96	v	5.1	UGT	٥.
IN WATER BY	CM18	MEXCLR	MDZW11X4	DV4W*456 MI	MODY 1	14-PEB-96	26-FBB-96	v	5.1	ner	٥.
BY GC	UM18	MEXCLE	MXZW11X4	DV4W*274 W	WDD7 1	14-FEB-96	26-FEB-96	•	5.1	ner	٥.
ANA'S IN WATER BY GC/MS	UM18	NAP	MX5701X2	DV4W*168 WDDJ		13-PEB-96	26-PEB-96	v	r.	UGE	•

Chemical Quality Control Report Installation: Fort Devens, MA (DV) Group 4 Sites

	IRDMIS	į	redwis Field	i.		Samo	Analveje					
Method Description	Code	Name	Number	787	Įot t	Date	Date	V 1	Value	Value Units	RPD	
BNA'S IN WATER BY GC/MS	UM18	NAP	MD5701X2	DV4W+455	MODA	13-FEB-96	26~FBB-96	v	'n	UGE	۰.	
IN WATER BY	UM18	NAP	MX5703X2	DV4W*172	WDBJ	14-FBB-96	04-MAR-96		2.8	UGIT	7.4	
IN WATER BY	UMIB	NAP	MD5703X2	DV4W*458	WDBJ	14-FBB-96	04-MAR-96		5.6	UGE	7.4	
IN WATER BY	UM18	NAP	MDAX04X2	DV4W*457	WDEJ	15-PEB-96	04-MAR-96	v	'n	UGE	۰.	
IN WATER BY	CM18	NAP	MXAX04X2	DV4W*238	WDB.	15-PBB-96	04-MAR-96	v	'n.	-	۰.	
IN WATER BY	UM18	NAP	MDZW11X4	DV4W*456	MODY	14-PBB-96	26-PEB-96	v	ņ	_	٥.	
BNA'S IN WATER BY GC/MS	UM18	NAP	MXZW11X4	DV4W*274	MDDA	14-PEB-96	26-PKB-96	v	τú	UGE	۰.	
BNA'S IN WATER BY GC/MS	UM18	2	MX5701X2	DV4W*168	MDDJ	13-FEB-96	26-PBB-96	v	'n	USI	o.	
IN WATER BY	UM18	2	MD5701X2	DV4W*455	MDD	13-PBB-96	26-PBB-96	v	s.	ner	e.	
IN WATER	UM18	盟	MD5703X2	DV4W*458	WDEJ	14-PEB-96	04-MAR-96	v	Ľ	ngr	۰.	
IN WATER BY	UM18	2	MX5703X2	DV4W*172	WDEJ	14-FBB-96	04-MAR-96	v	ι	מפני	٥.	
IN WATER BY	UM18	2	MDAX04X2	DV4W*457	WDEJ	15-PBB-96	04-MAR-96	v	ri.	ner	۰.	
IN WATER BY	UM18	2	MXAX04X2	DV4W*238	WDEJ	15-PBB-96	04-MAR-96	v	ĸ,	ner	°.	
IN WATER BY	UM18	8 8	MDZW11X4	DV4W*456	WDD	14-FEB-96	26-FEB-96	v	rū	UGE	•	
IN WATER BY	UM18	88	MXZW11X4	DV4W+274	MODY	14-PEB-96	26-PKB-96	v	'n	ner	۰.	
					1			,	•	į	•	
IN WATER BY	OMIB	NNUMBA	MX5/ULX2		2	13-F8B-90	20-620-20	,	4 (3 !	. •	
IN WATER BY	UM18	NNDMEA	MD5701X2			13-FBB-96	26-PBB-96	v	74	79.	•	
IN WATER BY	UM18	NADMRA	MX5703X2		MOE.	14-PKB-96	04-MAR-96	v	N	Jen Jen	Р.	
WATER BY	UM18	NNDMRA	MD5703X2		WDBJ	14-FEB-96	04-MAR-96	v	7	UGE	•	
IN WATER BY	UM18	NNDMEA	MXAX04X2	DV4W*238	WDEJ	15-PKB-96	04-MAR-96	v	71	ngr	•	
IN WATER	UM18	NNDMEA	MDAX04X2	DV4W*457	WDEJ	15-PEB-96	04-MAR-96	v	71	UGT	•	
IN WATER BY	UM18	NNDMEA	MDZW11X4	DV4W*456	MODY	14-PEB-96	26-PEB-96	v	7	ner	٥.	
IN WATER BY	UM18	NNDMEA	MXZW11X4	DV4W*274	WDDY	14-FBB-96	26-FEB-96	v	71	ngr	o.	
BNA'S IN WATER BY GC/MS	UM18	NNDNRA	MD5701X2	DV4W*455	MDDJ	13-PKB-96	26-FEB-96	v	4.4	ner	۰.	
IN WATER BY	UMIB	NNDNPA	MX5701X2	DV4W*168	MODY.	13-PEB-96	26-PKB-96	v	4.4	UGE	o.	
IN WATER	UM18	NNDNPA	MD5703X2	DV4W*458	MDBJ	14-PEB-96	04-MAR-96	v	4.4	UGE	۰.	
IN WATER BY	UMIB	NNDNPA	MX5703X2	DV4W*172	WDBJ	14-PEB-96	04-MAR-96	v	4.4	ner	•	
IN WATER BY	UM18	NNDNPA	MDAX 04X2	DV4W*457	WDBJ	15-PKB-96	04-MAR-96		4.4	UGE	۰.	
IN WATER BY	UM18	NNDNPA	MXAX04X2	DV4W*238	MDEJ	15-FRB-96	04-MAR-96	v	4.4	UGL	٥.	
BNA'S IN WATER BY GC/MS	UM18	NNONPA	MDZW11X4	DV4W*456 1	MODE	14-PEB-96	26-PKB-96	v	4.4	ner	۰.	

Chemical Quality Control Report Installation: Fort Devens, MA (DV) Group 4 Sites

Method Description	IRDMIS Method Code	Test Namo	IRDMIS Pield Sample Number	Lab	St	Sample Date	Analysis Date	v	Value	Unite	RPD
BNA'S IN WATER BY GC/MS	UM18	NNDNPA	MXZW11X4	DV4W*274 WDDJ	Z	14-PEB-96	26-FRB-96		4.4	UGE	0.
BNA'S IN WATER BY GC/MS	UM18	MOPA	MX5701X2	DV4W*168 1	MODY	13-PBB-96	26-FBB-96	٧	М	UGE	٥.
BNA'S IN WATER BY GC/MS	UM18	NNDPA	MD5701X2		MON.	13-PBB-96	26-PBB-96	v	m	ner	•
IN WATER BY	UM18	NNDPA	MX5703X2		WDBJ	14-PKB-96	04-MAR-96	v	m	ner.	o.
IN WATER BY	UM18	NADPA	MD5703X2		WDEJ	14-FEB-96	04-MAR-96	v	m	ner	°.
WATER BY	UM18	NNDPA	MXAX04X2	DV4W*238 1	WDEJ	15-PEB-96	04-MAR-96	v	m	ner	Ö.
IN WATER BY	UM18	NNDPA	MDAX04X2	DV4W*457 1	WDEJ	15-PEB-96	04-MAR-96	v	m	ngr	۰.
IN WATER BY	UMIB	NNDPA	MDZW11X4	DV4W*456 V	MODY	14-PRB-96	26-PBB-96	v	m	ner	•
IN WATER BY	UM18	NNDPA	MXZW11X4	DV4W*274 V	WDD	14-PEB-96	26-PBB-96	v	m	ner	o.
pm/ 55 As someway of single	01784.1	PCR016	MD5701X2	TV4W*455 5	100	13-PKR-96	26-PRB-96	٧	21	Det	٥
IN WATER BY	UM18	PC8016	MX5701X2		NOON	13-PKB-96	26-PBB-96	٠,	21	ugr	•
IN WATER BY	CM18	PCB016	MX5703X2	_	WDBJ	14-PEB-96	04-MAR-96	v	21	UGE	٥.
IN WATER BY	UM18	PCB016	MD5703X2	DV4W*458 V	WDBJ	14-FBB-96	04-MAR-96	v	21	ngr	٥.
IN WATER BY	UM18	PCB016	MDAX04X2	DV4W*457 P	WDBJ	15-PKB-96	04-MAR-96	v	21	ner	°.
BNA'S IN WATER BY GC/MS	UM18	PCB016	MXAX04X2	DV4W*238 P	WDEJ	15-FEB-96	04-MAR-96	v	21	ner	o.
IN WATER BY	UM18	PCB016	MDZW11X4	DV4W*456 P	MODY	14-PEB-96	26-FBB-96	v	21	ner	°.
WATER BY	UM18	PCB016	MXZW11X4	DV4W*274 V	MODY	14-PEB-96	26-PKB-96	v	21	OGE	٥.
PM/ 20 VE COTTON IN DIRIGH	a 1 MIT a	DCR221	MD5701X2	DV4W*455 1	MODA	13-PKB-96	26-FRB-96	٧	21	ner	0.
IN WATER BY	UM18	PCB221	MX5701X2		MODY	13-FEB-96	26-PBB-96	٧	21	UGE	°.
IN WATER BY	UM18	PCB221	MX5703X2	DV4W*172 F	WDEJ	14-PEB-96	04-MAR-96	v	21	ner	°.
	UM18	PCB221	MD5703X2	DV4W*458 P	WDEJ	14-PEB-96	04-MAR-96	v	71	UGE	۰.
BNA'S IN WATER BY GC/MS	UM18	PCB221	MDAX04X2	DV4W*457 P	MOBJ	15-PEB-96	04-MAR-96	v	21	ner	۰.
WATER BY	UM18	PCB221	MXAX04X2	DV4W*238 P	MOBJ	15-PEB-96	04-MAR-96	v	21	nor	٥.
WATER BY	UM18	PCB221	MDZW11X4	DV4W*456 P	MODY	14-PEB-96	26-FBB-96	v	21	ngr	•
	UM18	PCB221	MXZW11X4	DV4W*274 V	MDDY	14-PEB-96	26-PKB-96	v	21	CGL	o.
BNA'S IN WATER BY GC/MS	CM18	PCB232	MD5701X2	DV4W*455)	ZOM	13-PKB-96	26-PBB-96	v	21	ner	٥.
IN WATER BY	UM18	PCB232	MX5701X2	DV4W*168 P	MDDV	13-FEB-96	26-FEB-96	v	21	ner	٥.
IN WATER BY	UMIB	PCB232	MX5703X2	DV4W*172 V	WDEJ	14-PEB-96	04-MAR-96	v	21	OGL	•
IN WATER BY	UM18	PCB232	MD5703X2	DV4W*458 P	WDEJ	14-PEB-96	04-MAR-96	v	21	UGI	•

Chemical Quality Control Report Installation: Fort Devens, MA (DV) Group 4 Sites

Method Description	IRDMIS Method Code	Test Name	IRDMIS Pield Sample Number		E	Sample Date	Analysis Date	v	Value	Units	. GPS
BND S IN WATER BY GC/MS	UM18	PCB232	MDAX04X2	DV4W*457 1	MOR	15-FEB-96	04-MAR-96		21	UGI	°.
IN WATER BY	UM18	PCB232	MXAX04X2	DV4W*238 P	WDBJ	15-FEB-96	04-MAR-96	v	21	ngr	°.
IN WATER BY	UM18	PCB232	MXZW11X4	DV4W*274 1	MDDJ	14-PEB-96	26-PEB-96	v	21	T50	٥.
IN WATER BY	UM18	PCB232	MDZW11X4	DV4W*456 V	MODY	14-FEB-96	26-FEB-96	v	21	UGL	•
SW/35 BY GETTER IN SIGNA	1 MILES	PCB242	MD5701X2	DV4W*455 1	S CONTRACT	13-PBB-96	26-PBB-96	v	30	ner	o,
TN WATER BY	UM18	PCB242	MX5701X2		MON	13-PKB-96	26-PKB-96	v	30	ner.	0
IN WATER BY	UM18	PCB242	MX5703X2		WDEJ	14-FEB-96	04-MAR-96	v	30	ner	۰.
IN WATER BY	UM18	PCB242	MD5703X2	DV4W*458 1	WDBJ	14-PEB-96	04-MAR-96	v	30	ner	٥.
IN WATER BY	UMIB	PCB242	MDAX04X2	DV4W*457 9	WDEJ	15-PEB-96	04-MAR-96	v	30	ner	°.
IN WATER BY	UM18	PCB242	MXAX04X2	DV4W*238 1	WDEJ	15-PEB-96	04-MAR-96	v	30	ner ner	٥.
IN WATER BY	UM18	PCB242	MDZW11X4	DV4W*456 1	MDDJ	14-PEB-96	26-PEB-96	v	30	UGE	o.
IN WATER	UM18	PCB242	MXZW11X4	DV4W*274 V	MDD	14-PEB-96	26-PEB-96	v	30	ner	۰.
SW/JE AN ODWEN NT SINNS	8 LWL1	PCR248	MD5701X2	DV4W*455 1	NO COM	13-PEB-96	26-FBB-96	v	30	UGE	•
TN WATED BY	TIMITA	PCB248	MX5701X2		MODY.	13-PEB-96	26-PKB-96	v	30	UGE	٥.
TN WATER BY	UMIB	PCB248	MX5703X2		WDEJ	14-FEB-96	04-MAR-96	v	30	UGT	٥.
IN WATER BY	UM18	PCB248	MD5703X2		WDBJ	14-PEB-96	04-MAR-96	v	30	ngr	e.
IN WATER BY	UM18	PCB248	MXAX04X2	DV4W*238 1	WDEJ	15-PEB-96	04-MAR-96	v	30	CCL	٥.
IN WATER BY	UM18	PCB248	MDAX04X2	DV4W*457 1	WDBJ	15-FEB-96	04-MAR-96	v	30	OGE	۰.
IN WATER BY	UM18	PCB248	MDZW11X4	DV4W*456 V	MODY	14-PEB-96	26-FEB-96	v	30	TSD.	o.
IN WATER BY G	UM18	PCB248	MXZW11X4	DV4W*274 WDDJ	gg G	14-FEB-96	26-FKB-96	v	30	ngr Ogr	e .
SWASS TO WATER BY GC/MS	UM18	PCB254	MX5701X2	DV4W*168 V	MODY	13-PEB-96	26-FKB-96	v	36	UGE	Þ.
TN WATER BY	UM18	PCB254	MD5701X2	DV4W*455 V	MODY	13-PKB-96	26-PEB-96	v	36	OGL	٥.
IN WATER BY	UM18	PCB254	MX5703X2	DV4W*172 P	WDEJ	14-PEB-96	04-MAR-96	v	36	ngr	0
IN WATER BY	UMIB	PCB254	MD5703X2	DV4W*458	MDBJ	14-FEB-96	04-MAR-96	v	36	ner	0.
TN WATER BY	UM18	PCB254	MDAX04X2		WDEJ	15-PKB-96	04-MAR-96	v	36	ner	0
TN WATER BY	UMIB	PCB254	MXAX04X2	DV4W*238 1	WDEJ	15-PEB-96	04-MAR-96	•	36	UGE	٥.
IN WATER BY	UM18	PCB254	MDZW11X4	DV4W*456 P	MOD	14-FEB-96	26-PKB-96	v	36	ner	٥.
IN WATER BY	UM18	PCB254	MXZW11X4	DV4W*274 1	NO N	14-FBB-96	26-FEB-96	v	36	UGL	ē.
BNA'S IN WATER BY GC/MS	UM18	PCB260	MD5701X2	DV4W*455 NDDJ	DO DO	13-PBB-96	26-PKB-96	v	36	מפני	٠.

Chemical Quality Control Report Installation: Fort Devens, MA (DV) Group 4 Sites

RPD	••	0	۰.	0	•	٥.	0	0.	۰.	0	0	۰.	۰.	0	•	0.	0	0	۰.	0	0	0	0	0	0	0	0	۰.	0	•
22	•	•	•	•	•	•	·	·	•	·	٠	•	•		•	•	•	٠	•	•	•	•	•	•	•	•	•	•	•	•
Unite	UGL	TOO.	UGE	ngr	ngr	ngr	ngr Ngr	ner	CGL	ngr	ngr	UGI	ngr	Œľ	UGI	UGE	Ten	UGE	ngr	ngr	ng I	OGL	UGT	UGI	Bi	ngr	TST	Ten	ner	ngr C
Value Unite	36	36	36	36	36	36	36	18	18	18	18	18	18	18	18	'n	'n	ιú	'n	ę.	'n	'n	ιċ	9.5	9.2	9.5	9.5	9.5	9.5	9.5
V :	v	v	v	v	v	•	v	v	v	v	v	v	v	v	v	v	•	v	v	v	v	v	v	v	v	v	٧	v	v	v
Analysis Date	26-FBB-96	04-MAR-96	04-MAR-96	04-MAR-96	04-MAR-96	26-FBB-96	26-PEB-96	26-FRB-96	26-PKB-96	04-MAR-96	04-MAR-96	04-MAR-96	04-MAR-96	26-PEB-96	26-FKB-96	26-FKB-96	26-PBB-96	04-MAR-96	04-MAR-96	04-MAR-96	04-MAR-96	26-FBB-96	26-PKB-96	26-PBB-96	26-PEB-96	04-MAR-96	04-MAR-96	04-MAR-96	04-MAR-96	26-PEB-96
Sample Date	13-FEB-96	14-PEB-96	14-PEB-96	15-PEB-96	15-FEB-96	14-PEB-96	14-PEB-96	13-PKB-96	13-FKB-96	14-PEB-96	14-PEB-96	15-PEB-96	15-PEB-96	14-PEB-96	14-PKB-96	13-FEB-96	13-PEB-96	14-PEB-96	14-PEB-96	15-PEB-96	15-PEB-96	14-PEB-96	14-PEB-96	13-PEB-96	13-PEB-96	14-FKB-96	14-PEB-96	15-PEB-96	15-PEB-96	14-PEB-96
Ş	MDDV 8	WDBJ		WDBJ	NOBJ	S WDDJ	LOOM 1	MDDV S	MODY 8	WDBJ	NDEJ	7 WDBJ	NDEU	S WDDJ	DOGM 1	MODY S		NDBJ	NDEJ	WDEJ	NOBJ	S MODU	DOGM 1	MDD4	MODY 6	NDEJ	MDEJ	WDEJ	NDEJ	MDDJ
Lab	DV4W*168	DV4W*172	DV4W*458	DV4W*457	DV4W*238	DV4W*456	DV4W*274	DV4W*455	DV4W*168	DV4W*172	DV4W*458	DV4W*457	DV4W*238	DV4W*456	DV4W*274	DV4W*455	DV4W*168	DV4W*172	DV4W*458	DV4W*457	DV4W*238	DV4W*456	DV4W*274	DV4W*455	DV4W*168	DV4W*458	DV4W*172	DV4W*457	DV4W*238	DV4W*456
IRDMIS Field Sample Number	MX5701X2	MX5703X2	MD5703X2	MDAX04X2	MXAX04X2	MDZW11X4	MXZW11X4	MD5701X2	MX5701X2	MX5703X2	MD5703X2	MDAX04X2	MXAX04X2	MDZW11X4	MXZW11X4	MD5701X2	MX5701X2	MX5703X2	MD5703X2	MDAX04X2	MXAX04X2	MDZW11X4	MXZW11X4	MD5701X2	MX5701X2	MD5703X2	MX5703X2	MDAX04X2	MXAX04X2	MDZW11X4
Test Name	PCB260	PCB260	PCB260	PCB260	PCB260	PCB260	PCB260	AC A	PCP	PCP	PCP	K.	PCP	PCP PCP	SCP BCP	PHANTE	PHANTR	PHANTR	PHANTR	PHANTR	PHANTR	PHANTR	PHANTR	PHENOL	PHENOL	PHENOL	PHENOL	PHENOL	PHENOL	PHENOL
IRDMIS Method Code	UM18	UM18	UM18	UM18	UM18	UM18	UM18	UMIB	UM18	UM18	UM18	UM18	UM18	UM18	UM18	UMIB	UM18	UM18	UM18	UM18	UM18	UM18	UM18	UM18	UMIB	UM18	UMIB	UM18	UM18	UMIB
Wethod Description	BNA'S IN WATER BY GC/MS	IN WAT	IN WAT	IN WATE	IN WAT	IN WAT	ä	IN WATE	BY GC/	IN WATER BY	IN WATER	IN WATER BY	IN WATER BY	IN WATER BY	BNA'S IN WATER BY GC/MS	RNA 1 TN WATER BY GC/MS	WATER BY GC/	IN WATER BY	IN WATER	IN WATER BY	IN WATER BY	IN WATER BY	BNA'S IN WATER BY GC/MS	BNA 'S IN WATER BY GC/MS	WATER BY GC/	IN WATER BY	IN WATER	IN WATER BY	IN WATER BY	IN WATER BY

Chemical Quality Control Report Installation: Fort Devens, MA (DV) Group 4 Sites

Method Description	IRDMIS Method Code	Test Name	IRDMIS Field Sample Number		Şţ	Sample Date	Analysis Date	v	Value	Value Units	RPD
ENA'S IN WATER BY GC/MS	UM18	PHENOL	MXZW11X4	DV4W*274	MDDA	14-FBB-96	26-PBB-96	v	9.2	ner	0.
BNA'S IN WATER BY GC/MS	UMIB	PPDDD	MD5701X2	DV4W*455	MDD	13-PKB-96	26-FBB-96	v	4	ner	٥.
TN WATER BY	UM18	PPDDD	MX5701X2		MDD	13-FKB-96	26-FBB-96	v	•	UGI	٥.
WATER BY	UM18	DPDDD	MX5703X2		WDBJ	14-PEB-96	04-MAR-96	v	*	UGE	٥.
TN WATER BY	UM18	DEDDD	MD5703X2	DV4W*458	WDEJ	14-PBB-96	04-MAR-96	v	*	UGE	۰.
TH WATER BY	1 miles	DEDDD	MDAX04X2		MOBJ	15-PBB-96	04-MAR-96	v	4	UGE	۰.
IN WATER	UM18	DODGA	MXAX04X2		WDEU	15-PBB-96	04-MAR-96	v	*	UGL	o.
TN WATER BY	UMIB	DEDDD	MDZW11X4	DV4W*456	MODY	14-PEB-96	26-FEB-96	v	4	ng _I	0
IN WATER BY	UM18	PPDDD	MXZW11X4	DV4W*274	MODY	14-FBB-96	26-PEB-96	v	*	OGE	•
BNA 1 TN WATER BY GC/MS	UM18	PPDDR	MD5701X2	DV4W*455	MDDJ	13-PKB-96	26-PKB-96	v	4.7	ner	•
IN WATER BY	UM18	PPDDB	MX5701X2		MODY	13-PEB-96	26-PKB-96	v	4.7	ner	o.
TN WATER BY	UM18	PPDDR	MX5703X2	DV4W*172	WDEJ	14-PEB-96	04-MAR-96	v	4.7	ner	۰.
TN WATER BY	UM18	PPDDB	MD5703X2	DV4W*458	WDEJ	14-PEB-96	04-MAR-96	v	4.7	ner	۰.
IN WATER BY	UM18	PDDB	MDAX04X2	DV4W*457	MORJ	15-PEB-96	04-MAR-96	v	4.7	UGL	•
IN WATER BY	UM18	PPDDB	MXAX04X2	DV4W*238	WDEJ	15-FEB-96	04-MAR-96	v	4.7	מפני	•
IN WATER BY	UM18	PPDDB	MDZW11X4	DV4W*456	MODY	14-PEB-96	26-PEB-96	v	4.7	UGE	o.
IN WATER BY	UM18	PPDDR	MXZW11X4	DV4W*274	MOD	14-FEB-96	26-FKB-96	v	4.7	UGE	۰.
	250	Trucad	MD5701X2	TV4W*455	MODI	13-FRB-96	26-PKB-96	٧	9.5	ner	9.
, b	UMIB	PPDDT	MX5701X2		MOD	13-PBB-96	26-FEB-96	v	9.2	OGL	۰.
TN WATER BY	UMIB	PPDDT	MX5703X2		WDEG	14-PEB-96	04-MAR-96	v	9.5	ner	o.
2	UM18	PPDDT	MD5703X2	DV4W*458	WDRJ	14-FEB-96	04-MAR-96	v	9.5	UGE	o.
IN WATER BY	UM18	PPDDT	MDAX04X2	DV4W*457	WDEJ	15-FBB-96	04-MAR-96	v	9.5	ner	۰.
IN WATER BY	UM18	PPDDT	MXAX04X2	DV4W*238	WDEJ	15-PKB-96	04-MAR-96	v	9.5	ner	٥.
TN WATER BY	UM18	PPDDT	MXZW11X4	DV4W*274	MODY	14-PEB-96	26-PBB-96	٧	9.7	ngr	٥.
IN WATER BY	UM18	PPDDT	MDZW11X4	DV4W*456	MON	14-PEB-96	26-FEB-96	v	9.2	ner	o.
RNA'S IN WATER BY GC/MS	UM18	PYR	MX5701X2	DV4W*168	WDDV	13-PEB-96	26-PBB-96	v	2.8	ner	o.
IN WATER BY	UMTB	PYR	MD5701X2	DV4W*455	MODA	13-PKB-96	26-FBB-96	v	2.8	ngr	۰.
IN WATER BY	UM18	PYR	MX5703X2	DV4W*172	WDBJ	14-PEB-96	04-MAR-96	v	7.8	מפני	o.
IN WATER BY	UM18	PYR	MD5703X2		WDEJ	14-PEB-96	04-MAR-96	v	2.8	Ten	۰.

Chemical Quality Control Report Installation: Fort Devens, MA (DV) Group 4 Sites

Method Description	IRDMIS Method Code	Test Name	IRCMIS Field Sample Number	Lab Number Lot	Sample Date	Analysis Date	V	Value	Value Uhite	. GR
BNA'S IN WATER BY GC/MS	UM18	PYR	MDAX04X2	DV4W*457 WDEJ	15-PBB-96	04-MAR-96	v	8.8	COL	٥.
BY GC	UM18	PYR	MXAX04X2	DV4W*238 WDBJ	15-PEB-96	04-MAR-96	v	7.8	UGI	•
မွ	UM18	PYR	MDZW11X4	DV4W*456 WDDJ	14-FEB-96	26-FKB-96	v	7.8	CGL	0.
IN WATER BY GC	UM18	PYR	MXZW11X4	DV4W+274 WDDJ	14-PEB-96	26-PEB-96	v	7.8	UGE	۰.
BMATTER BY CENTRE	11M1.8	TXPHRN	MD5701X2	DV4W*455 WDDJ	13-PKB-96	26-PKB-96	v	36	UGE	0
TN WATER BY GO	rm1s	TXPHRN	MX5701X2	-	13-PKB-96	26-PEB-96	v	36	UGE	٥.
IN WATER BY	UM18	TXPHEN	MD5703X2		14-PEB-96	04-MAR-96	v	36	ner	٥.
IN WATER BY	UM18	TXPHEN	MX5703X2	DV4W*172 WDBJ	14-FEB-96	04-MAR-96	v	36	ner	۰.
IN WATER BY	UM18	TXPHEN	MDAX04X2	DV4W*457 WDBJ	15-PEB-96	04-MAR-96	v	36	UGT	٥.
IN WATER BY GC	UM18	TXPHEN	MXAX04X2	DV4W*238 WDBJ	15-FKB-96	04-MAR-96	v	36	ner ner	٥.
IN WATER BY GC	UMTB	TXPHEN	MDZW11X4	DV4W*456 WDDJ	14-PEB-96	26-PEB-96	٧	36	UGI	o.
IN WATER BY GC	UM18	TXPHEN	MXZW11X4	DV4W*274 WDDJ	14-FBB-96	26-FEB-96	v	36	ner	٥.
								1		,
BNA'S IN WATER BY GC/MS	UM18	UNK549	MX5703X2	DV4W*172 WDBJ	14-PEB-96	04-MAR-96		7	, Eg	15.4
IN WATER BY	UM18	UNK549	MD5703X2	DV4W*458 WDBJ	14-PEB-96	04-MAR-96		w	ngi,	15.4
BW/JD AN GETTAN HE BIRNE	81787	TNK649	MDZW11X4	DV4W*456 WDDJ	14-PKB-96	26-FEB-96		50	UGIT	85.7
THE MAY BE SELECTED TO SELECTE		rance 4 o	MY 701 1 X 4	TUTAN 174 WILL	14-P2B-96	26-PRR-96		20	UGI	85.7
ENA'S IN WAIEK BI GC/RS	STEO	C#evan	- VITTURE IN	204 1/7-W147	2			ì	}	
					·	1		٠.	į	,
VOC'S IN WATER BY GC/MS	CM20	1111CB	MX5701X2		.13-FKB-96	16-FKB-96	v	ij	3	?
VOC'S IN WATER BY GC/MS	UMZO	111TCB	MD5701X2	DV4W*455 XDZ0	13-FEB-96	16-FEB-96	v	'n.	ngr	•
WATER BY	UM20	111TCB	MX5703X2	DV4W*172 XDZ0	14-PKB-96	16-FEB-96	v	S.	ner	۰.
IN WATER BY	UM20	111TCB	MD5703X2	DV4W*458 XDAP	14-PEB-96	20-FEB-96	v	5.	UGE	٥.
IN WATER BY GC	UM20	111TCB	MXAX04X2	DV4W*238 XDZ0	15-PEB-96	16-PKB-96	v	5.	UGE	•
IN WATER BY GC	UM20	111TCB	MDAX04X2	DV4W*457 XDAP	15-PEB-96	20-FKB-96	v	ĸ.	CGL	۰.
IN WATER BY GC	CM20	111TCB	MDZW11X4	DV4W*456 XDYO	14-PEB-96	16-FKB-96	v	ĸ.	CGL	٥.
IN WATER BY GC	UM20	111TCB	MXZW11X4	DV4W*274 XDYO	14-PEB-96	16-FEB-96	v	so.	ner	۰.
			2000	Carte 127 107 107	20-000-61	16.000-96	,	•	in i	•
MATERY BY GC,	0750	112108	TYTO/COM	DATE SEE NEVO	06-093-CT	06-003-07	,	•		: '
WAITER BY GC/	UM20	112TCB	MX5701X2	DV4W*168 XDZO	13-FEB-96	16-FEB-96	v	1.2	ner	٠.
VOC'S IN WATER BY GC/MS	UM20	112TCB	MX5703X2	DV4W*172 XDZO	14-PEB-96	16-PEB-96	v	1.2	ngr	۰.

Chemical Quality Control Report Installation: Fort Devens, MA (DV) Group 4 Sites

Method Description	IRDMIS Wethod Code	Test Name	IRDMIS Field Sample Number	Lab Number Lot	Sample Date	Analysis Date	v	Value	Value Unite	RPD
VOC'S IN WATER BY GC/MS	UM20	112TCB	MD5703X2	DV4W*458 XDAP	14-PEB-96	20-FBB-96	· •	1.2	UGE	•
IN WATER	UM20	112TCB	MXAX04X2	DV4W*238 XDZO	15-FKB-96	16-PEB-96	•	1.2	UGI	
IN WATER	UM20	112TCB	MDAX04X2	DV4W*457 XDAP	15-PKB-96	20-FEB-96	v	1.2	UGE	٥.
IN WATER	UM20	112TCB	MDZW11X4	DV4W*456 XDYO	14-PEB-96	16-PEB-96	v	1.2	CGT	٥.
VOC'S IN WATER BY GC/MS	UM20	112TCB	MXZW11X4	DV4W*274 XDYO	14-PBB-96	16-PEB-96	v	1.2	UGE	•
WATER BY	UM20	11DCB	MX5701X2	DV4W*168 XDZO	13-PKB-96	16-PKB-96	v	ī.	ner	٥.
IN WATER BY GO	UM20	11DCB	MD5701X2	DV4W*455 XDZO	13-FKB-96	16-PEB-96	v	'n	ner	٥.
IN WATER BY GO	UM20	11DCB	MX5703X2	DV4W*172 XDZO	14-PEB-96	16-PEB-96	v	'n	UGE	٥.
IN WATER BY GO	UM20	11DCB	MD5703X2	DV4M*458 XDAP	14-PEB-96	20-PEB-96	v	'n	ner	٥.
IN WATER BY GO	UM20	11DCB	MDAX04X2	DV4W*457 XDAP	15-FEB-96	20-PEB-96	v	'n.	ngr	٥.
IN WATER BY	UM20	11DCB	MXAX04X2	DV4W*238 XDZ0	15-PKB-96	16-PKB-96	•	ę.	ngr	0.
IN WATER BY GO	UM20	11DCB	MDZW11X4	DV4W*456 XDYO	14-PEB-96	16-PEB-96	v	'n	ngr	٥.
IN WATER BY	UM20	11DCB	MXZW11X4	DV4W*274 XDYO	14-PEB-96	16-FKB-96	v	'n	UGF	٥.
100	000	11000	405704.83	PRIAMES VD70	30-834-61	36-BWB-31	,	8	į	c
IN WAIRK DI	0760	TTOCHE	2010/COM	ORGE CONTRACT		000	, ,		1	
IN WATER	UM20	IIDCLE	MX5701X2		13-FEB-96	16-FEB-36	۰,		3 5	, c
IN WATER BY	UMZO	11DCLR	MX5/03X2		14-785-90	06-093-97	v		3	•
WATER BY	UM20	11DCLR	MD5703X2		14-PEB-96	20-PEB-96	v	.68	190	۰.
H	UM20	11DCLE	MDAX04X2	DV4W*457 XDAP	15-PEB-96	20-FEB-96	v	.68	UGT	٥.
IN WATER BY	UM20	11DCLR	MXAX04X2	DV4W*238 XDZO	15-FEB-96	16-FEB-96	•	.68	ngr	0.
IN WATER BY	UM20	11DCLB	MDZW11X4	DV4W*456 XDYO	14-PEB-96	16-PEB-96	v	.68	OGE	٥.
IN WATER BY	UM2 0	11DCLB	MXZW11X4	DV4W*274 XDYO	14-PEB-96	16-PKB-96	v	. 68	Ten	•
VOC'S IN WATER BY GC/MS	UM20	12DCB	MD5701X2	DV4W*455 XDZO	13-PKB-96	16-FEB-96	v	5.	ner	۰.
IN WATER BY	UM20	12DCB	MX5701X2	DV4W*168 XDZO	13-PEB-96	16-PEB-96	v	ĸ.	ner	٥.
VOC'S IN WATER BY GC/MS	UM20	12DCB	MX5703X2	DV4W*172 XDZO	14-FEB-96	16-FEB-96	v	'n	UGE	٥.
IN WATER BY	UMZO	12DCR	MD5703X2	DV4W*458 XDAP	14-PEB-96	20-FBB-96	v	'n		٥.
IN WATER BY GO	UM20	12DCB	MXAX04X2	DV4W*238 XDZO	15-PEB-96	16-PEB-96	v	'n		0
IN WATER BY GO	UM20	12DCB	MDAX04X2	DV4W*457 XDAP	15-PEB-96	20-FEB-96	v	ĸ		۰.
IN WATER BY GO	UM20	12DCB	MDZW11X4	DV4W*456 XDYO	14-PEB-96	16-PKB-96	v	'n		٥.
IN WATER BY GO	UMZO	12DCR	MXZW11X4	DV4W*274 XDYO	14-PEB-96	16-FEB-96	v	ĸ	ner	٥.

Chemical Quality Control Report Installation: Fort Devens, MA (DV) Group 4 Sites

WATER BY GC/MS	Method	Test Name	Sample Number	Lab Number Lot	Sample Date	Analysis Date	V	Value	Value Unite	Z PD
	UM20	12DCLR	MD5701X2	DV4W*455 XDZO	13-FEB-96	16-FEB-96	v	'n	_	۰.
ΒX	UM20	12DCLB	MX5701X2	DV4W*168 XDZO	13-PEB-96	16-PEB-96	v	'n	_	o.
BY	UM20	12DCLB	MX5703X2	DV4W*172 XDZO	14-PEB-96	16-PEB-96	v	ĸ.	ner	۰.
BY GC	UM20	12DCLE	MD5703X2	DV4W*458 XDAP	14-FEB-96	20-PKB-96	v	ī.	UGE	٥.
BY	UM20	12DCLB	MXAX04X2	DV4W*238 XDZO	15-PKB-96	16-PEB-96	v	s.		•
BY GC	UM20	12DCLB	MDAX04X2	DV4W*457 XDAP	15-PEB-96	20-FRB-96	v	ĸ.	ner	•
BY GC	UM20	12DCLB	MDZW11X4	DV4W*456 XDYO	14-PEB-96	16-PEB-96	v	ĸ.		Ö,
BY GC	UM20	12DCLB	MXZW11X4	DV4W*274 XDYO	14-FEB-96	16-FEB-96	v	'n		۰.
WATER BY GC/MS	UM20	12DCLP	MD5701X2	DV4W*455 XDZO	13-PEB-96	16-FEB-96	٧	'n	UGE	°.
BY GC	UM20	12DCLP	MX5701X2	DV4W*168 XDZO	13-PEB-96	16-FEB-96	v	'n.	UGL	۰.
BY GC	UM20	12DCLP	MX5703X2	DV4W*172 XDZO	14-PEB-96	16-FEB-96	v	'n	ner	۰,
BX	UM20	12DCLP	MD5703X2	DV4W*458 XDAP	14-PEB-96	20-FEB-96	v	ĸ.	UGI	۰.
BY GC	UM20	12DCLP	MDAX04X2	DV4W*457 XDAP	15-PEB-96	20-FEB-96	v	ĸ.		e.
BY GC	UM20	12DCLP	MXAX04X2	DV4W*238 XDZO	15-PEB-96	16-FEB-96	v	٠.	ner	٥.
BY GC	UM20	12DCLP	MDZW11X4	DV4W*456 XDYO	14-PEB-96	16-PKB-96	v	ď.	ner	۰.
BY GC	UM20	12DCLP	MXZW11X4	DV4W*274 XDYO	14-PEB-96	16-PEB-96	v	'n	nar	۰.
WATTER BY GC/MS	UM20	2CLEVR	MD5701X2	DV4W*455 XDZO	13-PEB-96	16-FEB-96	v	.71	UGE	٥.
BY	UM20	2CLEVE	MX5701X2	DV4W*168 XDZO	13-PEB-96	16-PKB-96	v	.71	ner	۰.
	UM20	2 CLEVE	MD5703X2	DV4W*458 XDAP	14-PKB-96	20-FEB-96	v	.71	ngr O	۰.
BX	UM20	2CLEVE	MX5703X2	DV4W*172 XDZO	14-PEB-96	16-PKB-96	v	.71	UGE	°.
BY GC	UM20	2CLBVB	MXAX04X2	DV4W*238 XDZO	15-PEB-96	16-PEB-96	v	.71	ner ner	۰.
BY GC	UM20	2CLEVE	MDAX04X2	DV4W*457 XDAP	15-PEB-96	20-FKB-96	v	.71	UGI	°.
WATER BY GC/MS	UM20	2 CLEVE	MDZW11X4	DV4W*456 XDYO	14-PEB-96	16-PEB-96	v	.71	UGI	۰.
BY GC	UM20	2CLEVE	MXZW11X4	DV4W*274 XDYO	14-PEB-96	16-PEB-96	v	.71	UGI	٥.
WATER BY GC/MS	UM20	ACET	MD5701X2	DV4W*455 XD20	13-PEB-96	16-PEB-96	v	13	UGT	٥.
WATER BY GC/MS	UM20	ACET	MX5701X2	DV4W*168 XDZO	13-PEB-96	16-PEB-96	v	7	UGF	۰.
BY GC	UM20	ACET .	MD5703X2	DV4W*458 XDAP	14-PEB-96	20-FEB-96	v	13	ner	•
BY GC	UM20	ACET	MX5703X2	DV4W*172 XDZO	14-PEB-96	16-PEB-96	v	13	790	۰.
BY GC	UM20	ACET	MXAX04X2	DV4W*238 XDZO	15-PEB-96	16-PEB-96	v	13	ner ner	•
BY GC/	UM20	ACET	MDAX04X2	DV4W*457 XDAP	15-PEB-96	20-FEB-96	v	13	ner	۰.

Chemical Quality Control Report Installation: Fort Devens, MA (DV) Group 4 Sites

Method Description	IRDMIS Method Code	Test Name	IRDMIS Field Sample Number	Lab Number Lot	Sample Date	Analysis Date	v .	Value	Value Uhits	. GER
VOC'S IN WATER BY GC/MS	UM20	ACET	MXZW11X4	DV4W*274 XDYO	14-FEB-96	16-FKB-96	v	1	ner	۰.
IN WATER BY	UM20	ACET	MDZW11X4	DV4W*456 XDYO	14-FEB-96	16-PKB-96	v	Ħ	ngr	٥.
UNC'S IN WATER BY GC/MS	UM20	ACROLN	MD5701X2	DV4W*455 XDZO	13-PEB-96	16-FEB-96	v	100	ner	٥.
TN WATER BY G	UM20	ACROLIN	MX5701X2	DV4W*168 XDZO	13-PKB-96	16-PEB-96	v	100	UGIT	٥.
IN WATER BY G	UM20	ACROLIN	MX5703X2	DV4W*172 XDZO	14-PKB-96	16-FKB-96	v	100	CGL	٥.
IN WATER BY	UM20	ACROLIN	MD5703X2	DV4W*458 XDAP	14-PEB-96	20-PEB-96	v	100	UGE	•
IN WATER BY	UM20	ACROLN	MXAX04X2	DV4W*238 XDZ0	15-PKB-96	16-PEB-96	v	100	UGE	٩.
IN WATER BY	UM20	ACROLIN	MDAX04X2	DV4W*457 XDAP	15-PEB-96	20-FKB-96	v	100	UGL	٥.
IN WATER BY G	UMZO	ACROLIN	MXZW11X4	DV4W*274 XDYO	14-PEB-96	16-PEB-96	v	100	UGE	۰.
IN WATER BY	UM20	ACROLN	MDZW11X4	DV4W*456 XDYO	14-FEB-96	16-FRB-96	v	100	ner	•
SM/JE AN WETTER BY GE/MS	TW20	ACRYTO	MD5701X2	DV4W*455 XDZO	13-PKB-96	16-PKB-96	v	100	מפור	۰.
TN WATER BY C	111120	ACRYTO	MX5701X2	DV4W*168 XDZO	٠.	16-PKB-96	v	100	ngr,	۰.
IN WATER RY	TIM20	ACRYLO	MX5703X2		•	16-FEB-96	v	100	UGL	o.
TN WATER	UM20	ACRYLO	MD5703X2		14-FEB-96	20-FEB-96	v	100	UGT	٥.
IN WATER BY	UMZO	ACRYLO	MXAX04X2	DV4W*238 XDZO	15-FEB-96	16-PEB-96	v	100	UGI	٥.
IN WATER BY G	UMZO	ACRYLO	MDAX04X2	DV4W*457 XDAP	15-PKB-96	20-FEB-96	v	100	COL	0.
IN WATER BY	UM20	ACRYLO	MX ZW1 1X4	DV4W*274 XDYO	14-FKB-96	16-FEB-96	v	100	OGF	٥.
IN WATER BY G	UM20	ACRYLO	MDZW11X4	DV4W*456 XDYO	14-FEB-96	16-PEB-96	, v	100	ngr n	۰.
SW/ 25 VR COTTEN IN SINCE	178(2.0	RPDCIAR	MD5701X2	DV4W*455 XDZO	13-FKB-96	16-FKB-96	v	.59	ner	•
TN WATTER	UM20	BRDCIM	MX5701X2		13-PKB-96	16-PEB-96	v	. 59	OGE	0.
TN WATER BY	UMZO	BRDCLM	MD5703X2	DV4W*458 XDAP	14-PKB-96	20-FEB-96	v	. 59	UGE	٥.
TN WATER	UM20	BRDCIM	MX5703X2	DV4W*172 XDZO	14-PKB-96	16-FEB-96	v	. 59	UGL	۰.
TN WATER BY	UM20	BRDCLM	MDAX04X2	DV4W*457 XDAP	15-PKB-96	20-FEB-96	v	. 59	ner	۰.
IN WATER BY	UMZO	BRDCIM	MXAX04X2	DV4W*238 XDZO	15-PKB-96	16-FRB-96	v	. 59	ner	٥,
IN WATER BY	UM20	BRDCLM	MDZW11X4	DV4W*456 XDYO	14-PEB-96	16-FEB-96	v	. 59	UGI	۰.
IN WATER BY	UM20	BRDCLM	MXZW11X4	DV4W*274 XDYO	14-FEB-96	16-PKB-96	v	. 59	ner	0
pm/50 ag gaman at proven	TIMO	פייתנייי	MD5701X2	DO4W*455 XDZ0	13-PRB-96	16-FKB-96	v	.58	UGE	ō.
VOC. 3 IN MAILEN DI GC/NS	140	2000	MYE701X2	DVAW*168 XDZO		16-PKB-96	v	.58	ner	0.
VOC'S IN WATER BY GC/MS	UMZO	C13DCP	MD5703X2	DV4W*458 XDAP		20-FBB-96	v	. 58	UGE	۰.

Chemical Quality Control Report Installation: Fort Devens, MA (DV) Group 4 Sites

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RPO	۰.	٥.	٥.	o.	٥.	۰.	۰.	•	٥.	٥.	۰.	٥.	۰.	o.	o,	۰.	o.	e.	•	0.	٥.	•	°.	٥.	۰.	•	0.	٥.	•
Unite	UGI	ner	UGI	ngr	ner	USL	Ten	UGI	USI	UGI	ner	ner	OGE	UGE	UGI	UGE	ngr	ngr	UGE	UGL	UGE	UGE	UGE	UGL	UGE	UGL	ner	ner	UGL
Value Units	.58	.58	.58	.58	.58	20	20	8. E. 8	8.3	8.3	8.3	8.3	8.3	8.3	8.3	2.6	5.6	5.6	7.6	7.6	5.6	2.6	5.6	1.9	1.9	1.9	1.9	1.9	1.9
v	v	v	v	v	v			v	v	v	v	v	v	v	v	v	•	v	v	v	v	v	v	v	v	v	v	v	v
Analysis Date	16-PBB-96	20-FKB-96	16-PEB-96	16-PEB-96	16-PEB-96	20-PEB-96	16-PEB-96	16-FEB-96	16-PEB-96	20-PEB-96	16-PEB-96	20-PRB-96	16-PEB-96	16-PEB-96	16-PEB-96	16-PEB-96	16-PEB-96	20-FEB-96	16-PEB-96	20-PEB-96	16-FEB-96	16-PEB-96	16-FEB-96	16-PEB-96	16-PEB-96	20-PKB-96	16-PKB-96	20-FEB-96	16-PKB-96
Sample Date	14-PEB-96	15-PEB-96	15-PKB-96	14-FEB-96	14-PEB-96	14-PKB-96	14-PEB-96	13-PEB-96	13-FKB-96	14-PEB-96	14-PEB-96	15-PKB-96	15-PEB-96	14-PEB-96	14-FEB-96	13-PEB-96	13-PEB-96	14-FEB-96	14-PEB-96	15-PEB-96	15-PEB-96	14-PEB-96	14-PEB-96	13-PEB-96	13-PEB-96	14-PEB-96	14-PEB-96	15-PEB-96	15-PEB-96
Lot	2 XDZ0	7 XDAP	8 XDZO	e xoxo	4 XDYO	8 XDAP	2 XDZ0	s XDZo	8 XDZ0	8 XDAP	2 XD20	7 XDAP	8 XDZ0	e xdxo	4 XDXO	8 XD20	5 XD20	8 XDAP	2 XDZ0	7 XDAP	8 XD20	e XDXO	₹ XDX0	S XDZO	8 XD20	8 XDAP	2 XDZ0	7 XDAP	8 XD20
Lab Number	DV4W*172	DV4W*457	DV4W*238	DV4W*456	DV4W*274	DV4W*458	DV4W*172	DV4W*455	DV4W*168	DV4W*458	DV4W*172	DV4W*457	DV4W*238	DV4W*456	DV4W*274	DV4W*168	DV4W*455	DV4W*458	DV4W*172	DV4W*457	DV4W*238	DV4W*456	DV4W*274	DV4W*455	DV4W*168	DV4W*458	DV4W*172	DV4W*457	DV4W*238
IRCMIS Pield Sample Number	MX5703X2	MDAX04X2	MXAX04X2	MDZW11X4	MXZW11X4	MD5703X2	MX5703X2	MD5701X2	MX5701X2	MD5703X2	MX5703X2	MDAX04X2	MXAX04X2	MDZW11X4	MXZW11X4	MX5701X2	MD5701X2	MD5703X2	MX5703X2	MDAX04X2	MXAX04X2	MDZW11X4	MXZW11X4	MD5701X2	MX5701X2	MD5703X2	MX5703X2	MDAX04X2	MXAX04X2
Test Name	C13DCP	CL3DCP	C13DCP	C13DCP	C13DCP	C2ABB	C2ABB	C2AVB	C2AVB	CZAVB	C2AVB	C2AVB	CZAVB	CZAVB	CZAVB	CZH3CL	CZH3CL	C2H3CL	C2H3CL	C2H3CL	CZHBCL	C2H3CL	CZHBCL	CZHSCL	C2H5CL	C2H5CL	C2H5CL	C2HSCL	C2H5CL
IRDMIS Method Code	UM20	UM20	UM20	UM20	UM20	UM20	UM20	UM20	UM20	UM20	UM20	UM20	UMZO	UM20	UM20	0330	UMZO	UM20	UM20	UM20	UM20	UM20	UM20	UMZO	UM20	UM20	UM20	UM20	UM20
Method Description	VOC'S IN WATER BY GC/MS	IN WATER BY GC	IN WATER BY GO	IN WATER BY GO	IN WATER BY GC	VOC'S IN WATER BY GC/MS	IN WATER BY GC	VOC'S IN WATER BY GC/MS	IN WATER BY	IN WATER BY	IN WATER	IN WATER BY	IN WATER BY GC	IN WATER BY GC	IN WATER BY GC	VOC'S IN WATER BY GC/MS	IN WATER BY GC	IN WATER BY GC	IN WATER BY GC	IN WATER BY GC	IN WATER BY GC	IN WATER BY	IN WATER BY GC	VOC'S IN WATER BY GC/MS	IN WATER BY	IN WATER BY	IN WATER BY	IN WATER BY	VOC'S IN WAITER BY GC/MS

Chemical Quality Control Report Installation: Fort Devens, MA (DV) Group 4 Sites

Method Description	IRDMIS Method Code	Test Name	IRDMIS Field Sample Number	Lab Number Lot	Sample Date	Analysis Date	٧	Value	Unite	RPD
VOC'S IN WATER BY GC/MS	UM20	C2H5CL	MDZW11X4	DV4W*456 XDYO	14-PEB-96	16-FEB-96	v	1.9	UGE	•
IN WATER	UM20	CZHSCL	MXZW11X4	DV4W*274 XDYO	14-PEB-96	16-FEB-96	v	1.9	UGF	o.
VOC'S IN WATER BY GC/MS	UM20	Сене	MD5701X2	DV4W*455 XDZ0	13-FKB-96	16-PBB-96	v	ĸ.	UGE	٥.
TN WATER BY	UM20	Сене	MX5701X2	DV4W*168 XDZO	13-FEB-96	16-FRB-96	v	ĸ.	Ten	٥.
IN WATER BY	UM20	Сене	MD5703X2	DV4W*458 XDAP	14-PEB-96	20-FRB-96	v	'n	ngr	٥.
TN WATER BY	UM20	Сене	MX5703X2	DV4W*172 XDZO	14-PEB-96	16-PEB-96	v	ī.	ngr	٥.
IN WATER BY	UM20	9Н9Э	MDAX04X2	DV4W*457 XDAP	15-PKB-96	20-FBB-96	v	'n	UGE	•
IN WATER BY	UM20	Сене	MXAX04X2	DV4W*238 XDZO	15-FKB-96	16-FEB-96	v	ī.	UGL	٥.
IN WATER BY	UM20	Сене	MDZW11X4	DV4W*456 XDYO	14-FEB-96	16-PBB-96	v	œ.	ngr	۰.
IN WATER	UM20	Сене	MXZW11X4	DV4W*274 XDYO	14-FBB-96	16-PKB-96	v	ŗ	ner	۰.
	0078.1		24.00.20	CALL SELECTION	30-800-61	16-828-96	•	1.1	inai.	٠ -
IN WATER BY G	0750	1000 1000 1000	AALO/CUM		•	20 mm or	, ,			· C
IN WATER BY	UMZO	CCLISE	MX5/01X2			06-003-07	, ,			
IN WATER BY	UM20	CCL3P	MX5703X2			10-FBD-30	,		3 5	
IN WATER BY	UM20	CCL3P	MD5703X2		•	20-FKB-96	v	7.4	ngr Cer	•
VOC'S IN WATER BY GC/MS	UM20	CCLJP	MXAX04X2	DV4W*238 XDZO	15-PKB-96	16-PEB-96	v	1.4	ngr ngr	٥.
IN WATER BY	UM20	CCL3F	MDAX04X2	DV4W*457 XDAP	15-PKB-96	20-FBB-96	v	1.4	ngr	٥.
IN WATER BY	UM20	CCL3P	MDZW11X4	DV4W*456 XDYO	14-PEB-96	16-FEB-96	v	1.4	ngr	•
IN WATER	UM20	CCL3P	MXZW11X4	DV4W*274 XDYO	14-PKB-96	16-FEB-96	v	1.4	UGI	۰.
UNC'S IN WATER BY GC/MS	UM20	CCI.	MX5701X2	DV4W*168 XDZO	13-FBB-96	16-FEB-96	v	.58	ner	٥.
TN WATER BY	UM20	4100	MD5701X2	DV4W*455 XDZO	13-PEB-96	16-FRB-96	v	.58	ngr n	٥.
WATER	UM20	CCLA	MX5703X2	DV4W*172 XDZO	14-PEB-96	16-FEB-96	v	.58	ner	٥.
IN WATER BY	UM20	CCLA	MD5703X2	DV4W*458 XDAP	14-PKB-96	20-FEB-96	v	.58	ner	۰.
IN WATER BY	UM20	CCI.4	MXAX04X2	DV4W*238 XDZO	15-PEB-96	16-FEB-96	v	.58	ner	٥.
IN WATER BY	UMZO	CCI.4	MDAX04X2	DV4W*457 XDAP	15-PKB-96	20-FKB-96	v	.58	UGL	٥.
IN WATER BY	UMZO	1 00	MDZW11X4	DV4W*456 XDYO	14-FEB-96	16-FEB-96	v	.58	ngr	٥.
WATER BY	UM20	CCI.4	MXZW11X4	DV4W*274 XDYO	14-PEB-96	16-FRB-96	v	.58	ner	o.
WATTER BY	UM20	CH2CT.2	MD5701X2	DV4W*455 XDZO	13-FEB-96	16-PEB-96	v	2.3	UGI	٥.
KATER BY	UM20	CHICKLE	MX5701X2	DV4W*168 XDZO	13-PKB-96	16-FEB-96	v	2.3	ner	0.
VOC'S IN WATER BY GC/MS	UMZO	CH2CL2	MD5703X2	DV4W*458 XDAP	14-FEB-96	20-FRB-96	•	2.3	ner	۰.

Chemical Quality Control Report Installation: Fort Devens, MA (DV) Group 4 Sites

Method Description	IRDMIS Method Code	Test Name	IRDMIS Field Sample Number	Lab Number	Fo	Sample Date	Analysis Date	v	Value	Value Units	RPD
VOC'S IN WATER BY GC/MS	UM20	CH2CL2	MX5703X2	2	XDZOX	14-PEB-96	16-FEB-96	v	2.3	UGE	ō.
IN WATER BY	UM20	CH2CL2	MXAX04X2	DV4W*238 3	XDZO	15-PEB-96	16-FEB-96	v	2.3	ngr	•
VOC'S IN WATER BY GC/MS	UM20	CH2CL2	MDAX04X2	DV4W*457 3	XDAP	15-PEB-96	20-FEB-96	v	2.3	ner	٥.
VOC'S IN WATER BY GC/MS	UM20	CH2CL2	MDZW11X4	DV4W*456 2	XDXO	14-PBB-96	16-PEB-96	v	2.3	UGT	o.
VOC'S IN WATER BY GC/MS	UM20	CH2CL2	MXZW11X4	DV4W*274 2	ХОХО	14-PEB-96	16-PEB-96	v	2.3	USE	۰.
VOC'S IN WATER BY GC/MS	UM20	CH3BR	MD5701X2	DV4W*455 2	0ZQX	13-PKB-96	16-FEB-96	v	5.8	ner	٥.
IN WATER BY G	UM20	CHIBER	MX5701X2	DV4W*168)	XD20	13-PBB-96	16-FEB-96	v	5.8	UGE	۰.
IN WATER BY G	UM20	CH3BR	MX5703X2	DV4W*172 3	20X	14-PEB-96	16-PEB-96	v	5.8	OGE	٥.
IN WATER BY	UM20	CH3BR	MD5703X2	DV4W*458 2	XDAP	14-PEB-96	20-FEB-96	v	5.8	UGI	٥.
WATER BY	UM20	CHIBER	MDAX04X2	DV4W*457 2	XDAP	15-PEB-96	20-PKB-96	v	s.	COL	۰.
IN WATER BY	UM20	CHIBR	MXAX04X2	DV4W*238 2	80 ZQ	15-PEB-96	16-FEB-96	v	8	UGE	°.
IN WATER BY	UM20	CHIBR	MDZW11X4	DV4W*456 2	XDXO	14-PEB-96	16-PEB-96	v	5.8	ner	٥.
Ä	UM 20	CH3BR	MXZW11X4	DV4W*274 3	XDXO	14-PEB-96	16-PEB-96	v	5.8	UGE	•
WATER IN WATER BY GC/MS	UM20	CHICL	MD5701X2	DV4W*455 2	0ZQX	13-PBB-96	16-PEB-96	٧	3.2	TOT	•
IN WATER BY G	UM20	CHOCL	MX5701X2		0ZQX	13-PKB-96	16-PEB-96	v	3.5	ner	۰.
IN WATER BY	UM20	OF CITY	MX5703X2	DV4W*172 3	XD20	14-PEB-96	16-PEB-96	v	3.5	UGE	٥.
IN WATER BY	UM20	CHICL	MD5703X2	DV4W*458 2	XDAP	14-PEB-96	20-PEB-96	v	3.2	UGE	۰.
IN WATER BY	UM20	CHBCL	MXAX04X2	DV4W*238 2	80 80 80 80	15-PEB-96	16-PEB-96	v	3.5	UGE	°.
WATER BY	UM20	CHBCL	MDAX04X2	DV4W*457 2	XDAP	15-PEB-96	20-PEB-96	v	3.2	UGE	•
VOC'S IN WATER BY GC/MS	UM20	CHBCL	MXZW11X4	DV4W*274 2	XDXO	14-PEB-96	16-FEB-96	v	3.2	ner	o.
VOC'S IN WATER BY GC/MS	UM20	CHOCE	MDZW11X4	DV4W*456 >	XOXO	14-PEB-96	16-PEB-96	v	3.2	7EO	o.
VOC'S IN WAITER BY GC/MS	UM20	CHBR3	MD5701X2	DV4W*455 2	0Z CX	13-PKB-96	16-FEB-96	v	2.6	Ten	٥.
IN WATER BY	UM20	CHBR3	MX5701X2	DV4W*168 2	X0Z0X	13-PEB-96	16-PEB-96	v	7.6	UST	٥.
IN WATER BY	UM20	CHBR3	MX5703X2	DV4W*172 3	X0Z0X	14-FEB-96	16-FEB-96	•	7.6	UGT	0.
IN WATER BY	UM20	CHBR3	MD5703X2	DV4W*458 2	XDAP	14-PEB-96	20-PKB-96	v	5.6	ner	۰.
IN WATER BY	UM20	CHBR3	MXAX04X2	DV4W*238 3	XDZ0	15-PEB-96	16-PEB-96	v	7.6	OGE	٥.
IN WATER BY	UM20	CHBR3	MDAX04X2	DV4W*457 2	XDAP	15-PEB-96	20-PKB-96	v	7.6	CCL	o.
BY	UM20	CHBR3	MDZW11X4	DV4W*456 2	XDXO	14-PKB-96	16-FEB-96	v	5.6	ner	o,
IN WATER	UM20	CHBR3	MXZW11X4	DV4W*274 3	XDXO	14-PEB-96	16-PEB-96	v	5.6	ner	٥.

Chemical Quality Control Report Installation: Fort Devens, MA (DV) Group 4 Sites

Method Description	IRDMIS Method Code	Test Name	IRDMIS Field Sample Number	Lab Number Lo	Lot Da	Sample Date	Analysis Date	V	Value	Value Units	RPD
VOC'S IN WAITER BY GC/MS	UM20	CHCLJ	MD5701X2	55	XDZ0 13	13-PEB-96	16-PBB-96	v	'n	Ten	۰.
IN WATER BY	UM20	CHCLI	MX5701X2	DV4W*168 XI	XDZ0 13	13-PBB-96	16-PBB-96	v	ij	ner	•
IN WATER BY GO	UM20	CHCL3	MX5703X2	DV4W*172 XC	XDZO 14	14-PEB-96	16-PEB-96	٧	15	ngr	٥.
IN WATER BY GC	UMZO	CHCLJ	MD5703X2	DV4W*458 XI	XDAP 14	14-PEB-96	20-FEB-96	v	ī.	ngr	۰.
IN WATER BY GC	UMZO	GICES	MXAX04X2	DV4W*238 XI	XDZ0 15	15-PBB-96	16-PEB-96	v	ī.	UGE	0
8	CM20	CHCLL	MDAX04X2	DV4W*457 XI	XDAP 15	15-PBB-96	20-FEB-96	v	ĸ	ngr	٥.
IN WATER BY GC	UM20	CHCLJ	MDZW11X4	DV4W*456 XI	XDXO 14	14-PBB-96	16-FEB-96	v	'n	ner	٥.
IN WATER BY GC	UMZO	CHCL	MXZW11X4	DV4W*274 XE	XDXO 14	14-PBB-96	16-PBB-96	v	ĸ.	ner	۰.
TN WATTER BY	17420	CL282	MD5701X2	DV4W*455 XE	XD20 13	13-PBB-96	16-FBB-96	v	10	UGE	٥.
WATER BY GC	UM20	CL2BZ	MX5701X2			13-FBB-96	16-PEB-96	v	10	ner	٥.
IN WATER BY GC	UMZO	CL2BZ	MX5703X2	DV4W*172 X	XDZ0 14	14-FBB-96	16-FEB-96	v	10	ner	۰.
IN WATER BY GO	UMZO	CL2BZ	MD5703X2			14-FBB-96	20-FKB-96	v	10	ner	٥.
IN WATER BY GC	UMZO	CL2BZ	MXAX04X2	DV4W*238 XI	XDZ0 15	15-PBB-96	16-FEB-96	v	10	UGE	٥.
IN WATER BY GC	UM20	CL2BZ	MDAX04X2	DV4W*457 XI	XDAP 15	15-PBB-96	20-FEB-96	v	70	ner	٥.
IN WATER BY GC	UM20	CL2BZ,	MDZW11X4	DV4W*456 XI	XDYO 14	14-PEB-96	16-FBB-96	v	10	ner	٥.
WATER BY GC	UM20	CL2BZ	MXZW11X4	DV4W*274 XD	XDYO 14	14-FEB-96	16-FBB-96	v	10	ngr	٥.
VE GOTTON NT	CMIT	עניעאנ	MD5701X2	DV4W*455 XT	XDZO 13	13-PRB-96	16-FEB-96	v	'n	Ten	٥.
IN WATER BY GC	UM20	CLCGHS	MX5701X2		-	13-PKB-96	16-PEB-96	v	'n	UGE	٥.
IN WATER BY GO	UM20	CLCGHS	MX5703X2			14-PEB-96	16-FEB-96	v	'n	UGT	•
IN WATER BY GO	UM20	CLCGHS	MD5703X2	DV4W*458 XI	XDAP 14	14-FBB-96	20-FEB-96	v	ī	ngr	٥.
IN WATER BY GC	UM20	CLCGHS	MXAX04X2	DV4W*238 XD	XDZ0 15	15-PEB-96	16-PEB-96	v	ij	UGE	۰.
IN WATER BY GC	UM20	CLCGHS	MDAX04X2	DV4W*457 XD	XDAP 15	15-FKB-96	20-PEB-96	v	ı.	UGE	0.
IN WATER BY	UM20	CLCGHS	MXZW11X4	DV4W*274 XD	XDXO 14	14-FBB-96	16-PKB-96	v	'n	ngr	0.
WATER	UM20	CLCGHS	MDZW11X4	DV4W*456 XD	XDYO 14	14-FKB-96	16-FEB-96	v	'n	OGL	٥.
WATER RY	UM20	CS2	MX5701X2	DV4W*168 XDZO		13-FEB-96	16-PKB-96	v	'n	ner	٥.
WATER BY GC	UM20	CS2	MD5701X2	DV4W*455 XD		13-FBB-96	16-FEB-96	v	'n	ngr	٥.
WATER BY GC	UM20	CS2	MX5703X2			14-FBB-96	16-FEB-96	v	s.	ner	٥.
BY GC	UM20	CS2	MD5703X2	DV4W*458 XD	XDAP 14	14-PKB-96	20-FEB-96	v	'n	ner	0.
WATER	UM20	CS2	MXAX04X2	DV4W*238 X	XDZ0 15	15-PKB-96	16-FEB-96	v	'n	ner ner	٥.
WATER BY GC	UM20	CS2	MDAX04X2	DV4W*457 XD	XDAP 15	15-FEB-96	20-FKB-96	v	si.	UGT	٥.

Chemical Quality Control Report Installation: Port Devens, MA (DV) Group 4 Sites

ethod Description	IRDMIS Method Code	Test Name	IRDMIS Field Sample Number		Ş	Sample Date	Analysis Date	v	Value	Value Unite	RPD
OC'S IN WATER BY GC/MS	UM20	CS2	MDZW11X4	DV4W*456 X	XDXO	14-PBB-96	16-PBB-96	. v	z.	ngr Agr	٥.
IN WATER	UM20	CS2	MXZW11X4	DV4W*274 X	XDXO	14-PBB-96	16-PEB-96	v	'n	ngr	o.
IN WATER BY	UM20	DBRCIA	MD5701X2	DV4W*455 X	XDZO	13-PEB-96	16-FBB-96	٧	.67	ner	۰.
WATER BY GO	UM20	DBRCLM	MX5701X2		XD20	13-PBB-96	16-FEB-96	v	.67	ner	۰.
IN WATER BY	UM20	DBRCIM	MX5703X2	DV4W*172 X	XDZO	14-FEB-96	16-FBB-96	v	.67	UGE	0.
IN WATER BY	UM20	DBRCLM	MD5703X2	DV4W*458 X	XDAP	14-FBB-96	20-FBB-96	v	.67	ner	0
IN WATER BY	UM20	DBRCLM	MXAX04X2	DV4W*238 X	XDZO	15-PBB-96	16-PEB-96	v	.67	ngr	٥.
IN WATER BY	UM20	DBRCLM	MDAX04X2	DV4W*457 X	XDAP	15-PBB-96	20-FEB-96	v	.67	UGL	•
IN WATER BY	UM20	DBRCLM	MDZW11X4	DV4W*456 X	XDXO	14-PEB-96	16-FEB-96	v	.67	UGE	٥.
OC'S IN WATER BY GC/MS	UM20	DBRCLM	MXZW11X4	DV4W*274 X	XDXO	14-PEB-96	16-FBB-96	v	.67	ner	•
IN WATER BY	UM20	BTC6H5	MD5701X2	DV4W*455 X	XDZO	13-PEB-96	16-PEB-96	v	s.	ner	0.
IN WATER	UMZO	RTC6HS	MX5701X2		0ZQX	13-PEB-96	16-PEB-96	v	s.	UGE	٥.
IN WATER BY	UM20	BTC6H5	MX5703X2	DV4W*172 X	XDZO	14-PEB-96	16-PEB-96		1.9	ner	•
IN WATER BY	UM20	FTC6HS	MD5703X2	DV4W*458 X	XDAP	14-PEB-96	20-FEB-96		1.9	TEO	o.
IN WATER BY	UM20	BTC6HS	MXAX04X2	DV4W*238 X	XDZOX	15-PKB-96	16-PEB-96	v	ď.	ner	٥.
IN WATER BY	UM20	KTC6H5	MDAX04X2	DV4W*457 X	XDAP	15-PBB-96	20-FBB-96	v	ĸ.	UGL	0.
IN WATER BY	UM20	FTC6HS	MDZW11X4	DV4W*456 X	XDXO	14-PBB-96	16-FEB-96	v	'n	ner	o.
OC'S IN WATER BY GC/MS	UM20	BT C6H5	MXZW11X4	DV4W*274 X	XDXO	14-PEB-96	16-FEB-96	v	ŗ.	7gg	•
IN WATER BY	UM20	MRCGHS	MX5701X2	DV4W*168 X	0200	13-PEB-96	16-PEB-96		1.2	ngr	82.4
IN WATER BY	UM20	MECGHS	MD5701X2		0200	13-PEB-96	16-FEB-96	v	'n	UGL	82.4
OC'S IN WATER BY GC/MS	UM20	MBC6HS	MX5703X2		XDZ0	14-PEB-96	16-FEB-96		1.9	ner	5.4
IN WATER BY	UM20	MBC6H5	MD5703X2	DV4W*458 X	XOX	14-PEB-96	20-FEB-96		1.8	ner	5.4
IN WATER BY	UM20	MRC6H5	MXAX04X2	DV4W*238 X	XDZ0	15-PKB-96	16-PEB-96	v	'n	ner	٥.
IN WATER BY	UM20	MRC6HS	MDAX04X2	DV4W*457 X	XDAP	15-PEB-96	20-FBB-96	v	ĸ.	UGE	۰.
IN WATER BY	UM20	MBC6H5	MDZW11X4	DV4W*456 X	XDXO	14-PEB-96	16-PBB-96	v	'n	ner	•
OC'S IN WATER BY GC/MS	UM20	MRC6HŞ	MXZW11X4	DV4W*274 X	XDXO	14-PKB-96	16-PEB-96	v	ĸ.	ner n	٥.
WATER BY	DM20	MEK	MX5701X2	DV4W*168 XDZO		13-PRB-96	16-PKB-96	v	6.4	ner	٥.
WATER BY	UMZO	MEK	MD5701X2	DV4W*455 XDZO		13-FEB-96	16-PEB-96	v	6.4	UGL	٥.
OC'S IN WATER BY GC/MS	UM20	MEK	MX5703X2	DV4W*172 X		14-FEB-96	16-PKB-96	v	6.4	ner	٥.

Chemical Quality Control Report Installation: Fort Devens, MA (DV) Group 4 Sites

Method Description	IRDMIS Method Code	Test Name	IRDMIS Field Sample Number	Lab Number Lot	Sample Date	Analysis Date	V 1	Value	Unite	. GAN
VOC'S IN WATER BY GC/MS	UM20	MEK	MD5703X2	DV4W*458 XDAP	14-FEB-96	20-FBB-96	v	4.9	UGL	٥.
TN WATER BY	UM20	MEK	MXAX04X2	DV4W*238 XDZ0	15-PEB-96	16-FBB-96	v	4.9	UGL	۰.
TN WATTER BY	UM20	MBK	MDAX04X2		15-PKB-96	20-FBB-96	v	6.4	UGI	•
TN WATER BY	UM20	MEK	MXZW11X4		14-PBB-96	16-PKB-96	v	6.4	UGE	۰.
IN WATER BY	UM20	MEK	MDZW11X4	DV4W*456 XDYO	14-FBB-96	16-PEB-96	v	6.4	UGL	•
PM/25 VR DETAN NT PINCE	1 M 2 O	MIBK	MD5701X2	DV4W*455 XDZO	13-PBB-96	16-FEB-96	v	М	UGL	0.
TN WATER BY	17M20	MIBK	MX5701X2		13-PEB-96	16-PEB-96	v	m	OGL	۰.
TN WATER BY	UM20	MIBK	MX5703X2	DV4W*172 XDZO	14-PBB-96	16-PKB-96	v	m	UGE	o.
IN WATER BY	ÚM20	MIBK	MD5703X2	DV4W*458 XDAP	14-FBB-96	20-PEB-96	v	М	OGL	۰.
WATER BY	UM20	MIBK	MXAX04X2	DV4W*238 XDZO	15-FEB-96	16-FEB-96	v	М	UGE	o.
IN WATER BY	UM20	MIBK	MDAX04X2	DV4W*457 XDAP	15-FRB-96	20-PEB-96	v	m	UGI	°.
IN WATER BY	UM20	MIBK	MXZW11X4	DV4W*274 XDYO	14-FEB-96	16-PEB-96	v	m	ner	o.
IN WATER BY	UM20	MIBK	MDZW11X4	DV4W*456 XDYO	14-PBB-96	16-FEB-96	v	Ю	ner	•
SH/DD YR GRITAN NT SITCH	UM20	MNBK	MD5701X2	DV4W*455 XD20	13-PKB-96	16-PKB-96	•	3.6	UGI	0.
TN WATER BY	UM20	MNBK	MX5701X2	DV4W*168 XDZO	13-PBB-96	16-PEB-96	v	3.6	UGT	o,
TN WATER BY	UM20	MNBK	MX5703X2	DV4W*172 XDZ0	14-PEB-96	16-PEB-96	v	3.6	UGL	٥.
TN WATER BY	UM20	MNBK	MD5703X2	DV4W*458 XDAP	14-FEB-96	20-PKB-96	v	3.6	UGE	۰.
IN WATER BY	UM20	MNBK	MXAX04X2	DV4W*238 XDZO	15-PKB-96	16-PEB-96	v	3.6	UGL	٥.
IN WATER BY	UM20	MNBK	MDAX04X2	DV4W*457 XDAP	15-PEB-96	20-FEB-96	v	3.6	UGI	۰.
IN WATER BY	UM20	MNBK	MXZW11X4	DV4W*274 XDYO	14-PEB-96	16-PEB-96	v	3.6	ngr	٥.
IN WATER BY	UM20	MNBK	MDZW11X4	DV4W*456 XDYO	14-PKB-96	16-FEB-96	•	3.6	UGIT	•
on/ ou against at ologic	CCALL	d d	MD5701X2	DV4W*455 XDZO	13-PKB-96	16-PEB-96	v	ın	OGL	٥.
TN WATER BY	UM20	STYR	MX5701X2	DV4W*168 XDZO	13-FEB-96	16-PEB-96	v	r.	UGL	0
TN WATER BY	UM20	STYR	MX5703X2	DV4W*172 XDZ0	14-FEB-96	16-PEB-96	v	'n	UGL	۰.
IN WATER BY	UM20	STYR	MD5703X2	DV4W*458 XDAP	14-FEB-96	20-FEB-96	v	ĸ	UGT	٥.
IN WATER BY	UM20	STYR	MXAX04X2	DV4W*238 XDZO	15-PEB-96	16-FEB-96	v	'n	USIL	۰.
IN WATER BY	UM20	STYR	MDAX04X2	DV4W*457 XDAP	15-PKB-96	20-PKB-96	v	'n	UGE	•
IN WATER BY	UM20	STYR	MDZW11X4	DV4W*456 XDYO	14-PEB-96	16-FKB-96	v	'n	ner	•
Ä	UMZO	STYR	MXZW11X4	DV4W*274 XDYO	14-FEB-96	16-FEB-96	v	'n	ner	٥.

Chemical Quality Control Report Installation: Fort Devens, MA (DV) Group 4 Sites

Method Description	IRDMIS Method Code	Test	IRDMIS Pield Sample Number	Lab Number Lot	Sample Date	Analysis Date	v	Value Units	its	RPD
VOC'S IN WATER BY GC/MS	UMZO	T13DCP	MD5701X2	DV4W*455 XDZO	13-PRB-96	16-FRB-96	 - -	., ugi		. 0.
IN WATER	UM20	T13DCP	MX5701X2	DV4W*168 XDZO	13-PEB-96	16-FEB-96	v	.7 UGL	ü	o.
IN WATER BY	UM20	TI3DCP	MX5703X2	DV4W*172 XDZO	14-PBB-96	16-PEB-96	v	.7 UGL	H	٥.
IN WATER	UM20	T13DCP	MD5703X2	DV4W*458 XDAP	14-PBB-96	20-PRB-96	v		ä	•
IN WATER BY	UM20	T13DCP	MXAX04X2	DV4W*238 XDZ0	15-PBB-96	16-PEB-96	v		ü	o.
IN WATER BY	UM20	TI3DCP	MDAX04X2	DV4W*457 XDAP	15-PRB-96	20-FEB-96	v		i.	٥.
IN WATER BY	UM20	T13DCP	MDZW11X4	DV4W*456 XDYO	14-PEB-96	16-PEB-96	v	.7 UGL		۰.
WATER BY	UMZO	TIBDCP	MXZW11X4	DV4W*274 XDYO	14-FEB-96	16-PBB-96	v	.7 UGL	ü	٥.
VOC'S IN WATER BY GC/MS	UM20	TCLEA	MD5701X2	DV4W*455 XDZO	13-FKB-96	16-FRB-96	v	.51 UGL	H	٥.
IN WATER BY	UM20	TCLEA	MX5701X2	DV4W*168 XDZO	13-PEB-96	16-PEB-96	v	.sı ugi		٥.
IN WATER BY	UM20	TCLEA	MX5703X2	DV4W*172 XDZO	14-PBB-96	16-PEB-96	v		.3	۰.
IN WATER	UM20	TCLEA	MD5703X2	DV4W*458 XDAP	14-PBB-96	20-PEB-96	v		ű	٥.
IN WATER BY	UM20	TCLEA	MDAX04X2	DV4W*457 XDAP	15-PRB-96	20-FBB-96	v		e e	o.
IN WATER BY	UMZO	TCLEA	MXAX04X2	DV4W*238 XDZO	15-PBB-96	16-PEB-96	v		.a	o.
IN WATER BY	UM20	TCLEA	MDZW11X4	DV4W*456 XDYO	14-FBB-96	16-FEB-96	v	-	ų.	•
WATER BY	UM20	TCLEA	MX ZW11X4	DV4W*274 XDYO	14-FEB-96	16-FEB-96	v	.sı ugi	ii ii	٥.
VOC'S IN WATER BY GC/MS	UM20	TCLBB	MD5701X2	DV4W*455 XDZ0	13-FKB-96	16-PRB-96	٧	1.6 UGL	ដូ	٥.
IN WATER BY	UM20	TCLBE	MX5701X2	DV4W*168 XDZO	13-PEB-96	16-PEB-96	v	1.6 UGL	ي	۰.
IN WATER	UM20	TCLBB	MX5703X2	DV4W*172 XDZO	14-PEB-96	16-FEB-96	•	1.6 UGL		o.
IN WATER BY	UM20	TCLER	MD5703X2	DV4W*458 XDAP	14-FEB-96	20-PEB-96	v	1.6 UGL	,	٥.
IN WATER BY	UM20	TCLBB	MXAX04X2	DV4W*238 XDZO	15-PKB-96	16-PEB-96	v	1.6 UGL	ij	۰.
IN WATER BY	UM20	TCLBB	MDAX04X2	DV4W*457 XDAP	15-PBB-96	20-FEB-96	v		בָּי	o.
WATER BY	UM20	TCLBE	MDZW11X4	DV4W*456 XDYO	14-PEB-96	16-PRB-96	v	1.6 UGL	F)	٥.
IN WATER BY	UM20	TCLBB	MXZW11X4	DV4W*274 XDYO	14-PEB-96	16-PEB-96	v	1.6 UGL	e e	۰.
VOC'S IN WATER BY GC/MS	UM20	TROLE	MD5701X2	DV4W*455 XDZO	13-FEB-96	16-PKB-96	v	.s ugi	į,	0.
IN WATER BY G	UM20	TRCLE	MX5701X2	DV4W*168 XDZO	13-PEB-96	16-PEB-96	v			٥.
IN WATER BY	UM20	TRCLE	MX5703X2	DV4W*172 XDZO	14-PBB-96	16-PEB-96	v		ü	٥.
IN WATER BY	UM20	TRCLE	MD5703X2	DV4W*458 XDAP	14-PEB-96	20-PKB-96	v	.s ugi	ı.	۰.
IN WATER BY	UM20	TRCLB	MXAX04X2	DV4W*238 XDZ0	15-PEB-96	16-FEB-96	v	s.	.2	٥.
IN WATER	UM20	TRCLE	MDAX04X2	DV4W*457 XDAP	15-PEB-96	20-FKB-96	v	.s ugi	ü	٥.
										•

Chemical Quality Control Report Installation: Fort Devens, MA (DV) Group 4 Sites

RPD	0.0	18.2	0.	•	11.4	11.4	۰.	0.	٥.	•
Value Units	ng ra	ner	ner	ngr Odf	Ten	UGE	UGE	OGL	UGE	Ten
Value	rú rú	w w	.84	.84	9.3	8.3	.84	.84	.84	.8
v	. v v		v	v			v	v	v	v
Analysis Date	16-PRB-96 16-PRB-96	20-FEB-96 16-FEB-96	16-PBB-96	16-FBB-96	16-FBB-96	20-FKB-96	16-FEB-96	20-FEB-96	16-PEB-96	16-PKB-96
Sample Date	14-FEB-96 14-FEB-96	14-PKB-96 14-PKB-96	13-PKB-96	13-PBB-96	14-FEB-96	14-FEB-96	15-PRB-96	15-FEB-96	14-FEB-96	14-PBB-96
Lot	xoxo xoxo	XDAP XDZO	XDZOX 9	0ZQX	XDZOX :	XDAP	XDZ0	XDAP	XDXO	XDX0
Lab Number	DV4W*274 XDYO DV4W*274 XDYO	DV4W*458 XDAP DV4W*172 XDZO	DV4W*455 XDZO	DV4W*168	DV4W*172	DV4W*458	DV4W*238	DV4W*457	DV4W*274	DV4W*456 XDYO
IRCMIS Field Sample Number	MDZW11X4 MXZW11X4	MD5703X2 MX5703X2	MD5701X2	MX5701X2	MX5703X2	MD5703X2	MXAX04X2	MDAX04X2	MXZW11X4	MDZW11X4
Test	TRCLE	UNK217 UNK217	XYLEN	XYLEN	XYLEN	XXLEN	XXLEN	XXLEN	XXLEN	XYLEN
IRDMIS Method Code	UM20 UM20	UM20 UM20	UM20	UM20	UM20	UM20	UM20	UM20	UM20	UM20
Method Description	VOC'S IN WATER BY GC/MS	VOC'S IN WATER BY GC/MS	Β¥	VOC'S IN WATER BY GC/MS	BY	,	×	×	WATER BY	WATER BY

TABLE D-21 FIELD DUPLICATES FOR GROUNDWATER SAMPLES WITH ELEMENTS EXCEEDING PRECISION CRITERIA

1995 AOC 57, 63AX, 69W REMEDIAL INVESTIGATION FORT DEVENS, MASSACHUSETTS

ELEMENT	FREQUENCY RPD EXCEEDED	RPD RANGE
Total Metals		
Arsenic ²	1/4	42.4
Iron ²	1/4	45
Dissolved Metals		
Barium ²	1/4	123.9

² = Data collected during the Round 2 Groundwater sampling event.

TABLE D-22 FIELD DUPLICATES FOR SOIL AND SEDIMENT SAMPLES WITH ELEMENTS EXCEEDING PRECISION CRITERIA

1995 AOC 57, 63AX, 69W REMEDIAL INVESTIGATION FORT DEVENS, MASSACHUSETTS

ELEMENT	FREQUENCY RPD EXCEEDED	RPD RANGE
Soil		
Arsenic	1/3	52.4
Potassium	1/3	77.6
Sediment		
Mercury	1/2	138.1
Manganese	1/2	99.5
Sodium	1/2	178.7
Zinc	1/2	114.1

TABLE D-23 USEPA CLP SPIKE PRECISION CRITERIA FOR PESTICIDES

1995 AOC 57, 63AX, 69W REMEDIAL INVESTIGATION FORT DEVENS, MASSACHUSETTS

SPIKE COMPOUND	RPD LIMITS FOR WATER	RPD LIMITS FOR SOIL
Lindane (gamma-BHC)	15	50
Heptachlor	20	31
Aldrin	. 22	43
Dieldrin	18	38
Endrin	21	45
4,4-DDT	27	50

TABLE D-24 COMPARISON OF CONCENTRATIONS FIELD ANALYSES VS. OFFSITE LABORATORY ANALYSES

1995 AOC 57, 61AX, 69W REMEDIAL INVESTIGATION FORT DEVENS, MA

ON-SITE SAMPLE ID	COLLECTION DATE	COMPOUND	OFFSITE LAB CONCENTRATION (mg/kg)	CONCENTRATION (ME/LE)	RPD (%)	CATEGORY
BF570415	9/28/95	TPH	ND	ND	0	1
B1270413	 	VOC	ND	ND	0	i
BF570515 -	9/28/95	toluene	0.0037	<0.0024	200	1
BF3/0313 .	3/12/33	TPH	ND	ND	0	
				ND	0	
BF570612	9/28/95	TPH	ND ND			ļ <u>!</u>
		VOC	ND	ND _	<u> </u>	1
BFAX0506	10/2/95	TPH	MD	ND	0	11
		VOC	ND	ND _	6	1
BFAX0508	10/2/95	TPH	ND	ND		1
	1	voc	ND	ND		1
BFAX0510	10/2/95	TPH	ND	ND	C	1
Direction	 	VOC	ND	ND	0	1
	9/18/95		141	<33	200	1
EF570106	3/14/3	TPH		ND	0	
<u> </u>	 	VOC	ND			
EF570200	9/18/95	TPH	454	69	147	1
		ethylbenzene	0.0024	<0.0023	200	1
		tojvene	0.0025	<0.0023	200	1
	l	total xylenex	0.0029	<0.0069	0*	1
EF570405	9/19/93	TPH	ND	ND	0	1
		VOC	ND	ND	0	1
EDF570405	9/19/95	TPH	23.6D	<32	0-	i
	 	voc	ND	ND	0	1
TELEOLO:	0/10/05			ND		1
EF570506	9/19/95	TPH	ND			
	4	voc	ND	ND	0	1
EF570704	9/19/95	TPH	31800	65000	69	2
		ethylbenzene	0.051	14	198	1
		tohume	0.023	3.4	197	1
		totsi xylenes	0.27	92	192	1
	Ť	1,1-dichloroethese	<0.0039	6.1E/X	200	3
		tetrachloroetheae	0.0059	<0.78	0.	1 1
	 	trichloroethese	0.011	40.78	0-	i
TTITOOC	00000		\$7.6		<u>0-</u>	
EF570804	9/20/95	TPH		<75		1 1
	 	VOC	ND	ND	0	1
EF570905	9/20/95	TPH	79.2	<69	200	11
		voc	ND	ND	0	
EF571000	9/19/95	TPH	25	30	105	1
		toluene	0.0037	0.0024J	43	1
	T	tetrachioroethese	0.003	<0.0022	200	1
EF571200	9/20/95	TPH	3110	9700	62	2
		toleene	0,0083	<0.0022	200	
	 	tetrachioroethene	0.0011	<0.0022	00	
EE17170*	00100					
EF371305	9/21/95	TPH ·	ND	ND ND	0	ļ!
	 	voc	ND	ND	0	
EF571406	9/21/95	TPH	49.3	<60	0.	1
	1	voc	ND	ND	00	1
EF571502	9/21/95	TPH	26100	28000	7	2
		tojuene	0.0017	0.0056	107	1
		chiorobeazese	<0.00086	0.016	200	1
		ethylbenzene	<0.0017	0.054	200	1
	1	total xylenes	<0.0015	0.245	200	1
·· · · · · · · · · · · · · · · · · · ·	 	tetrachioroethene	0.0023	0.0048	70	1
EF571600	9/21/95	TPH				
	3141193		169	120	34	1 .
	 	voc	ND	ND	0	1
EF571700	9/21/95	TPH	2390	3400	35	2
		toluene	0.0072	<0.0025	200	1
		tetrachloroethene	0.0047	<0.0025	200	1
EF371802	9/21/95	TPH	49.5	<64	0*	1
		VOC	ND	ND	0	1
EF571902	9/21/95	TPH	130	<70	200	
	 	voc	ND	ND	0	
		100	MD	HD HD	······································	
	 			 		
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EF572500	9/22/95	TPH	\$1.1	<52	200	1
		VOC	ND	ND	0	1
RFZW2607	9/11/95	TPH	902	2100	80	1 2
	1	total xylenes	<0.0015	0.0023	200	i
RFZW3006	9/11/95					
VLV437/00	271173	TPH	3240	7700	82	2
	 	toluese	0.0044	0.026	142	11
	ļ	chlorobenzene	<0.00086	0.031	200	1
		ethylbenzene	<0.0017	0.26E	200	1
	1	total xylenes	0.0023	6.5 E/J	200	1
RFZW3504	9/12/95	TPH	<27.8	35	200	1
	1	VOC	ND	ND	0	i
RFZW3607	9/24/95	VOC	ND	ND	G*	

n maria mari	1 25.55	TPH	566	1100	64	2
RF2W3704	9/23/95	toluese	0.0024	<0.0046	C*	l
		TPH	1400	1800	25	2
RFZW3803	9/14/95	TPH	34,4	<120	0*	1
		Voc	ND	ND	0	1
	9/15/95	TPH	ND	ND	0	i
RWFZW4504						

1996 ON-SITE LABORATORY DATA

Harding Lawson Associates

APPENDIX D-2 QUALITY CONTROL SUMMARY REPORT 1996 ON-SITE ANALYTICAL PROGRAM

AOCs 69W, 61Z, 50 and 57

DL0 INTRODUCTION

The purpose of this Quality Control Summary Report (CQSR) is to present evaluations of quality control (QC) measurements made during the 1996 on-site laboratory analyses and to evaluate data precision and accuracy. Dates of on-site analysis are from June 17 through November 6, 1996. The on-site laboratory provided field screening for AOCs 69W, 61Z, 50 and 57. Soil and water samples were analyzed for target volatile organic compounds and petroleum hydrocarbons at Ft Devens, Ayer, Massachusetts.

D2.0 ANALYTICAL METHODS

The data quality objectives and general descriptions of on-site methodologies for the investigations are presented in the Fort Devens Project Operation Plan (ABB-ES, 1995). On-site analytical procedures used during the investigations included purge and trap USEPA Method 5030A and modified USEPA Method 8021A for volatile organic compounds (VOCs) (USEPA, 1995) and the modified Massachusetts hydrocarbon methods for extractable petroleum hydrocarbons (EPH) and volatile petroleum hydrocarbons (VPH) (MADEP, 1995a; MADEP, 1995b). Total Recoverable Petroleum Hydrocarbons (TPHC) in soils will be quantified with an infrared spectrophotometer using modified USEPA Method 418.1(USEPA, 1983). Descriptions of the 1996 analytical methods, and any modifications to procedures in the QAPiP incorporated into the 1996 field investigations are presented in Attachment 1.

D2.1 MDL Study for EPH/VPH/VOCs Analysis:

Prior to sample analysis a Method Detection Limit (MDL) study was performed for EPH, VPH, and VOCs target compounds.

Based on the extraction and analysis of seven spiked samples, the EPH MDL for soil analysis was determined to be 18 mg/Kg. For purposes of this project the reporting limit (RL) has been determined to be 100 mg/Kg. Only concentrations greater than 100 mg/kg are reported. Sample quantitation limits (SQLs) consisting of the reporting limits adjusted for sample volume, percent moisture, and dilution factor are reported for non detects. The results of the EPH MDL study are listed in *Table D2-1*.

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Based on a methanol extraction and analysis of seven spiked samples, the VPH MDL for soil analysis was determined to be 0.57 mg/Kg. The reporting limit was established to be 6.3 mg/Kg. Only concentrations greater than 6.3 mg/kg are reported. Sample quantitation limits (SQLs) consisting of the reporting limits adjusted for sample volume, percent moisture, and dilution factor are reported for non detects. The results of the VPH MDL study are listed in *Table D2-1*.

Based on the analysis of seven spiked samples, an initial VOC MDL for soil and aqueous analysis was determined and reported in *Table D2-1*. The reporting limits were established to be 2.0 μ g/L for all target analytes (m/p-Xylene is 4.0 μ g/L). Only concentrations greater than 2.0 μ g/L (m/p-Xylene is 4.0 μ g/L) are reported. Sample quantitation limits (SQLs) consisting of the reporting limits adjusted for sample volume, percent moisture, and dilution factor are reported for non detects.

A second VOC MDL was made when a second field effort phase commenced in mid-summer. Based on the analysis of seven spiked samples, the second VOC MDL for soil and aqueous analysis was determined and reported in *Table D2-1*. The reporting limit was established to be $1.0~\mu g/L$ for all target analytes (m/p-Xylene is $2.0~\mu g/L$). Only concentrations greater than $1.0~\mu g/L$ (m/p-Xylene is $2.0~\mu g/L$) are reported. Sample quantitation limits (SQLs) consisting of the reporting limits adjusted for sample volume, percent moisture, and dilution factor are reported for non detects.

D2.2 REPORTING LIMITS AND INSTRUMENT CALIBRATION

The calibration range for each instrument includes an initial calibration standard at the reporting limit. EPH instrument calibration ranged from 50 mg/Kg through 150 mg/Kg with a reporting limit of 50 mg/Kg. VPH instrument calibration ranged from 6.3 mg/Kg through 19 mg/Kg with a reporting limit of 6.3 mg/Kg. Initial VOC instrument calibration ranged from 1.0 μ g/L through 100 μ g/L. The second phase VOC instrument calibration ranged from 1.0 μ g/L through 20 μ g/L. Each instrument calibration range is recorded in the laboratory logbooks and saved electronically for future reference.

D3.0 QUALITY CONTROL BLANK SUMMARY

Routine QC blanks analyzed in the field laboratory include instrument blanks, equipment rinse blanks (pump blanks and bailer blanks) and method blanks.

D3.1 Instrument Blanks:

Instrument blanks were run for the EPH and TPHC analyses. Instrument blanks consisted of clean extraction solvent analyzed directly on the instrument to determine background response

for the instrument. No instrument contamination was identified through instrument blank analysis.

D3.2 Method Blanks:

Method blanks were run for EPH/VPH/VOC and TPHC analyses after initial and continuing calibrations with a minimum of one blank per day of analysis to evaluate the potential for sample contamination during sample preparation and analysis at the on-site laboratory. EPH and TPHC soil method blanks were extracted daily with each extraction batch using the same procedures as samples. VPH soil method blanks were purged and analyzed solutions of analyte free water, methanol and surrogate. VOC method blanks were purged and analyzed solutions of analyte free water and surrogate (methanol was added for soil method blanks).

Method blank data indicate that method contamination did not result in false positive identification of EPH, VPH, or TPHC results during sample analysis. No method blanks had EPH, VPH or TPHC detected at concentrations greater than the reporting limits.

VOC method blanks were analyzed each day using the same procedure as samples. The VOC soil method blank analyzed on 8/29/96 had a detection of chloroform greater than the reporting limit at 390 mg/Kg. Soil samples (RF571509 and RF571603) from AOC 57 associated with this method blank were qualified (B) indicating the results may represent laboratory contamination. The VOC method blank analyzed on 11/01/96 had a detection of naphthalene greater than the reporting limit at 3.2 µg/Kg. Naphthalene was not detected in associated samples, and no samples associated with this method blank were qualified (B). With the exception of the VOC samples discussed above, VOC data indicate that no other laboratory contamination introduced during sample preparation and analysis.

D3.3 Equipment Rinseate Blanks:

Equipment rinse blanks (pump blanks and bailer blanks) were collected periodically and analyzed for VOCs. Rinse blanks were collected at a minimum of one per twenty samples as specified in the POP. Five bailer blanks were collected and analyzed with two blanks exhibiting low levels of toluene (2.5 μ g/L and 2.1 μ g/L). Samples associated with these blanks contained no toluene detections.

D4.0 DATA ACCURACY AND PRECISION

The accuracy and precision of laboratory and field sampling methodologies was evaluated using matrix spike/ matrix spike duplicate (MS/MSD), matrix spike (MS), field duplicate analyses, and surrogate spikes as outlined below:

- EPH/VPH utilized MS/MSD and surrogate percent recovery (%R) goals of 50% 150% and MS/MSD relative percent difference (RPD) goals of less than 30%.
- Duplicate analyses were also utilized with RPD goals of less than 50% for soil samples.
- TPHC analyses utilized a single MS sample with a %R goal of 50% to 150%; duplicate analyses were also utilized with RPD goals of less than 50% for soil samples.
- VOC analyses utilized MS/MSD and surrogate percent recovery (%R) goals of 50% -150% and a MS/MSD RPD goal of less than 30%.
- Field duplicate analyses were also utilized with RPD goals of less than 30% for aqueous samples and less than 50% for soil samples.

Field duplicates, matrix spikes and matrix spike/matrix spike duplicate collection frequency goal was five percent for the program.

D4.1 Matrix Spikes:

EPH. Three samples were collected as matrix spike/matrix spike duplicates (this represented a frequency of 5 percent). The samples were spiked at a mid-point of the calibration curve (100 mg/Kg). The data are tabulated in Table D4-1. MS/MSD recoveries for two calculated spike samples ranged from 43% to 54%. The RPDs for the sample sets were 15% and 18%. One MS/MSD data set was not analyzed due to operator failure to spike the sample with the MS/MSD spiking solution. Although two of four recoveries were outside the desired recovery range the RPD results were well below the 30% goal, indicating good precision. These results indicate a possible low bias shown by the MS/MSD recoveries. Sample results are usable as estimated values with a possible low bias by a factor of two.

VPH. Two samples were analyzed as matrix spike/matrix spike duplicates. This represented a 3.3 percent frequency. Both samples were spiked at a mid-point of the calibration curve (12.5 mg/Kg). The data is tabulated in Table D4-1. MS/MSD recoveries for the two spiked samples ranged from 57% to 91%. The RPDs for the samples sets were 3.4% and 10%. The established goals were partially met for this data set, however, the RPDs calculated are well below the established goal of 30% indicating excellent accuracy and precision.

TPHC. Nine samples were analyzed as matrix spikes. This represents an 8.1 percent frequency. The samples were spiked at a mid-point of the calibration curve (2500 mg/Kg). The data is tabulated in Table D4-1. Results for TPHC in two samples exceeded the calibration range of the instrument and no MS results were obtained. MS/MSD recoveries for the other seven spiked samples ranged from 88% to 162%. Two MS recoveries were not calculated due to original sample concentrations above the instrument calibration range. One

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recovery exceeded the recovery goal of 150%. Eighty six percent of this data set met the established goals indicating good accuracy and precision.

VOC. Twenty one samples were analyzed as matrix spike/matrix spike duplicates. This represents a 4.7 percent frequency. The data is tabulated in Table D4-2. The samples were spiked at a mid-point of the calibration curve (see Table D4-2 to find specific spike concentrations). Ninety eight percent of the spike recoveries met the goal range of 50% to 150% recovery. Ninety eight percent of the RPDs met the goal of 30% or less. The established goals were met for this data set indicating excellent accuracy and precision.

D4.2 Field Duplicates:

Field duplicate samples were collected at a rate of approximately 5 percent of the samples during the field sampling effort and submitted to the field laboratory for analysis. Relative percent difference goals of less than 30% for aqueous sample analysis and less than 50% for soil analysis were outlined for the project.

EPH. Four samples were collected and analyzed as field duplicates (this represented a frequency of 6.7 percent). The results of the EPH field duplicate samples are listed in Table D4-3. The results of all sample sets were non-detects. In general, field duplicate results indicate good precision of measurement was obtained for the EPH sample analyses. These results indicated agreement for absence of EPH, however, evaluation of precision for positive detection of EPH was not possible.

VPH. Four samples were collected and analyzed as field duplicates (this represented a frequency of 6.7 percent). The results of the VPH field duplicate samples are listed in Table D4-3. The results of all sample sets were non-detects. These results indicated agreement for absence of VPH, however, evaluation of precision for positive detection of VPH was not possible.

TPHC. Fourteen samples were collected and analyzed as field duplicates (this represented a frequency of 13 percent). The results of the TPHC field duplicate samples are listed in Table D4-3. The RPDs of three sample duplicate sets were calculated and ranged from 0.0% to 33%. Seven results were non-detects for both samples. Four sample duplicate sets had a non-detect for one of the samples in the duplicate pair with a positive detection at the reporting limit in the associated duplicate. In general field duplicate results indicate good accuracy and precision of measurement was obtained for the TPHC sample analyses, however, variability of the TPHC measurement at the reporting limit are apparent. These results indicate detection limits and low concentration positive detections are estimated values.

VOC. Thirty nine samples were collected and analyzed as field duplicates (this represented a frequency of 8.7 percent). The results of the VOC field duplicates are listed in Table D4-4.

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The results of the duplicate sample sets (seventeen soil samples and twenty two aqueous samples) were evaluated and RPDs calculated.

Eight soil RPDs were calculated and seven exceeded the 50% goal. Five of the seven were duplicate sets that exceeded the goal included a detection one sample and the duplicate did not (200% RPD). Two of these five results were chloroform. Chloroform was identified as a possible laboratory contaminant in Subsection D3.2. One of the results is qualified "B" indicating the sample was associated with a contaminated method blank. The differences in the field duplicate results are interpreted to be related to laboratory contamination. The three other results included o-xylene and naphthalene with positive and non-detect results in samples RF571010, EF573106, and RF571603. In all cases reported detections were only 2 to 3 times the reporting limits. These results demonstrate variability of xylenes and naphthalene at or near, the reporting limit. The remaining field duplicate results included detections of TCE, PCE, and cis-1,2-dichloroethene in samples BXG613B29 and BX502025. Although two of three results had RPDs greater than 50, these results showed good agreement with the presence of target compounds and the relative concentrations reported. The field duplicate data indicate that all soil VOC results should be considered estimated.

Nineteen aqueous RPDs were calculated and two exceeded the goal of 30. These results indicate good accuracy and precision of measurement was obtained for the aqueous VOC sample analyses.

D4.3 Surrogate Recoveries:

Surrogates were added to each EPH, VPH and VOC sample to monitor the efficiency of the measurement and possible matrix effects on recovery of target analytes. Surrogate recovery goals of greater than or equal to 50% were established for the project. Sample results associated with surrogate recoveries below the goal are reported with an "S" qualifier.

EPH. All samples submitted for EPH analysis were spiked, prior to the extraction step, with naphthalene or σ-terphenyl as a surrogate. The surrogate recoveries were recorded and used to determine accuracy of each sample analysis. No EPH samples had surrogate percent recoveries below the goal of 50%. Surrogate recoveries ranged from 75% to 160% with the mean equal to 98%, indicating good recoveries were obtained during the program. Upper and lower control limits (mean ±3 standard deviations) were 144 and 53 respectively.

VPH. All samples submitted for VPH analysis were spiked, prior to the methanol extraction step, with 2,5-dibromotoluene as a surrogate. The surrogate recoveries were recorded and used to determine accuracy of each sample analysis. Surrogate goals were a minimum of 50% recovery. Sample results associated with surrogate recoveries below the goal are reported with an "S" qualifier. Sample BX610215XF had a 45% surrogate recovery and was qualified 'S'. Sample BXBD0227XF had a 174% surrogate recovery and was qualified 'S'. With the

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exception of sample BXBD0227XF, surrogate recoveries ranged from 59% to 149% with the mean equal to 101%, indicating good recoveries were generally obtained during the program. Upper and lower control limits (mean ±3 standard deviations) were 178 and 24 respectively.

VOC. All samples submitted for modified USEPA Method 8021 analysis were spiked prior to analysis with 4-Bromofluorobenzene. The surrogate recoveries were recorded and used to determine the accuracy of each sample analysis. Surrogate goal was a minimum of 50% recovery. Soil surrogate recoveries ranged from 58% to 138% with the mean equal to 104%. Upper and lower soil control limits (mean ±3 standard deviations) were 158 and 50 respectively. Aqueous surrogate recoveries ranged from 63% to 166% with the mean equal to 103%, indicating good recoveries were generally obtained during the program. Upper and lower aqueous control limits (mean ±3 standard deviations) were 149 and 57 respectively. All samples had surrogate recoveries above the goal and no VOC results were qualified.

D4.4 Data Qualification:

The on-site analytical data was qualified as needed during the field program. A secondary review was made after the laboratory was dismantled and the database reviewed for any further qualification. The qualifiers in each case were applied through guidance found in the ABB SOP: purge and trap field chromatography, 1995.

B qualifier is added to values as evidence of method blank contamination.

E qualifier is added to values that exceed the calibration range of the instrument.

S qualifier is added to values that exceed surrogate acceptance range requirements.

D5.0 ON-SITE/OFF-SITE LABORATORY SPLIT SAMPLE DATA COMPARISON

This section discusses the results of a split samples collected during the 1996 AOC 50, 57, 612, and 69W Remedial Investigations at Fort Devens, Massachusetts. The soil samples were split in the field and submitted for on-site and off-site volatile analysis (14 samples), EPH/VPH (7 samples), and petroleum hydrocarbons by 418.1 (22 samples). The purpose of collection of the split samples is to provide a comparison of the on-site data with the associated off-site data, in order to evaluate data quality and establish the on-site results as screening data with definitive confirmation (USEPA, 1993).

D.5.1 ANALYTICAL METHODOLOGIES

The on-site field screening target compound data were evaluated using the USAEC off-site analytical GC/mass spectrometry (MS) method for VOCs and SVOCs. Dichlorobenzenes and naphthalene off-site data were taken from the SVOC analyses. Off-

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site TPH results were generated using USEPA Method 9071 to extract samples followed by analysis using USEPA Method 418.1 (USEPA, 1983; USEPA, 1986). EPH and VPH results were obtained using methods developed by the MADEP (MEDEP, 1995a; MEDEP, 1995b).

D.5.3 PROGRAM OBJECTIVES

The objectives of the on-site soil field screening analytical program were to evaluate the downgradient, lateral, and vertical distribution of contamination in overburden soil, and identify critical samples for off-site laboratory analysis. For the purpose of this on-site/off-site data comparison action levels to evaluate the data sets were based on Category S-1 soils cleanup criteria outlined in the Massachusetts Contingency Plan (MCP) (MADEP, 1995c). A summary of target compound action levels for each target compound evaluated using the on-site methods is outlined below:

	Action Level (μg/g)
Benzene	10
Toluene	90
Ethylbenzene	80
Total Xylenes	500
Chlorobenzene	· 8
1,1-Dichloroethene	0.3
1,2-Dichloroethene	2
Chloroform	0.1
1,1,1-Trichloroethane	30
Carbon Tetrachloride	1
Trichloroethene	0.4
Tetrachloroethene	0.5
TPH	500
Dichlorobenzene (each isomer)	100
Naphthalene	4
Vinyl Chloride	0.3

D.5.4 DATA COMPARISON AND EVALUATION

Comparability of the data was evaluated using two separate comparisons outlined in Section 4.6 of the POP (ABB-ES, 1995). The first comparison evaluates agreement based on detection of analytes relative to action levels. The second comparison evaluates data based on relative percent differences (RPDs) between split samples. Results of the on-site/off-site analyses are summarized on Table D-5-1, Table D-5-2, and Table D-5-3 for EPH/VPH, TPHC, and VOCs, respectively.

Comparison 1

In this comparison on-site and off-site results were organized into one of the four categories described below:

- 1. Both on-site and off-site analyses had the target compounds detected/non-detected at concentrations less than the action levels.
- 2. Both on-site and off-site analyses had the target analytes detected at concentrations greater than action levels.
- 3. The target compounds were reported above action levels for on-site and the off-site data results were less than action levels.
- 4. The target compounds were reported above the action level off-site and the on-site results were less than the action levels.

A primary assumption of the comparison was that the off-site data represented the accurate definitive data when comparing results. Sample data which fall within categories 1 and 2 represent agreement between on-site and off-site analytical results. Sample data in category 3 suggested a high bias in the on-site results. Sample data in category 4 suggest a low bias in on-site results. The analytical goal of the program was to have over 95 percent of the results fall into categories 1, 2 and 3.

EPH/VPH

EPH/VPH split sample results are presented in Table D5-1. With the exception of VPH reported by the off-site laboratory in sample BXBD0123, results were reported as non-detect by both the on-site and off-site laboratory. All results were less than the 500 mg/g action level indicating good agreement on hydrocarbon levels relative to the MCP soil criteria.

<u>TPHC</u>. The results of 21 of 22 (95.5%) split sample analysis fell into Category 1 and Category 2 indicating good agreement for the on-site and off-site analyses relative to action levels for fuel hydrocarbons. These data indicate that the on-site data are adequate for the evaluation of the distribution of hydrocarbons at the 500 mg/g action levels.

<u>VOCs</u>. The detection of target VOCs by the on-site laboratory relative to action levels was confirmed by the off-site laboratory. All but one soil sample results fell within Category 1. The one exception was BF570705, where one target compound (Naphthalene) fell into Category 3. Overall, these results indicate good comparison of on-site and off-site results relative to MCP soil cleanup goals and that the goals of the action level comparison were met.

Comparison 2

For the second comparison, relative percent difference (RPD) values were calculated for associated on-site/off-site surface soil samples. Calculation of RPD is outlined in the POP (ABB-ES, 1995). RPD values were compared to USEPA Region I soil field duplicate criteria of 50%. No comparison was conducted for the VPH/EPH results because no comparative positive detections were available.

VOCs

The majority of results were non-detects in both the on-site and off-site laboratory indicating consistent agreement with the absence of contamination for VOCs. Approximately half the positive detections were low concentrations of VOCs reported in the off-site laboratory at concentrations below the reporting limit of on-site split sample. These results are at low concentrations are not interpreted to impact use of field screening results.

In the remaining samples, concentrations of VOCs reported for the on-site screening analysis are consistently greater than concentrations reported in the off-site analysis. Example of these results can be seen in samples BF570700 for naphthalene, BF570705 for ethylbenzene, xylenes, and naphthalene, and BF573006 for ethylbenzene and naphthalene. These results indicate a possible high bias of on-site results. In the above samples high concentrations of TPH were detected indicating the presence of fuel contamination at the sample locations. The on-site method for VOCs utilized a single column GC/PID analysis for BTEX and naphthalene with no second column confirmation. It is highly likely that compound concentrations were over estimated due to interference from non-target fuel hydrocarbons. The off-site analysis was conducted using GC/MS confirmation of target analytes so interference from non-target hydrocarbon would not results in quantitative interferences or false positive identification of compounds.

It is important to note that evidence had also been published indicating the possibility of low bias off-site results due to loss of VOCs during sample collection and handling using bulk sampling procedures (Liikala, 1995). It is possible that concentrations reported at the on-site laboratory may be more representative of actual site conditions. However, for the purpose of this comparison, on-site results are considered potentially biased high.

TPHC

TPHC was detected in approximately 63% of the samples. RPDs of samples with detected TPH ranged from 6% to 200% with the majority of RPDs outside the 50% project goal. There was good correlation of split sample results relative to the magnitude of concentrations reported. In all samples with detects reported, concentrations trends between high and low values agreed well. These results indicate that TPH data are adequate for determination of presence and absence of fuel contamination and the determination of the relative concentrations of contamination at the sites, however, reported concentrations should be considered estimated values.

D.5.5 CONCLUSIONS

There was a strong qualitative and quantitative correlation between the on-site and off-site laboratories. The goal of 95 percent of on-site/off-site data characterized by conditions specified in POP for data categories 1, 2 or 3 was achieved (ABB-ES, 1995), based on results presented in Comparison 1. The comparison results indicate that screening results provided adequate data to identify the presence or absence of contamination at action levels based on MCP Category S-1 soil cleanup criteria (MADEP, 1995).

An evaluation of RPDs (Comparison 2) indicates results for on-site analyses for the VOC target compounds BTEX and naphthalene contamination may be biased high. Bias is possibly a result of interferences with fuel-related compounds and limitations of the GC/PID single column analysis used at the on-site laboratory. The TPH results are adequate for qualitative and semi-quantitative uses, but reported concentrations should be considered estimated.

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1996 METHOD DETECTION LIMIT STUDY SUMMARY 1996 ON-SITE LABORATORY FORT DEVENS, MASSACHUSETTS

EPH MD	L Study
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COMPOUND	SPIKE CONC.	R1	R2	R3	R4	R5	R6	R7_	STD. DEV.	MDL	RL
EPH	50 mg/Kg	53	48	41	44	44	39	36	5.7	18	100 mg/Kg

VPH MDL Study

COMPOUND	SPIKE CONC.	R1	R2	R3	R4	R5	R6	R7	STD. DEV.	MDL	RL
VPH	2.5 mg/Kg	2.0	2.1	2.3	2.3	1.9	2.4	1.9	0.19	0.57	6.3 mg/Kg

Initial VOC MDL Study

COMPOUND	SPIKE CONC.	R1	R2	R3	R4	R5	R6	R7	STD. DEV.	MDL	RL
VC	0.10 μg/L	0.320	0.358	0.287	0.296	0.260	0.302	0.297	0.0303	0.095	2.0 μg/L
t-1,2-DCE	0.10 μg/L	0.096	0.096	0.098	0.104	0.093	0.098	0.108	0.0053	0.017	2.0 μg/L
c-1,2-DCE	0.10 μg/L	0.093	0.096	0.092	0.093	0.089	0.095	0.097	0.0026	0.008	2.0 μg/L
TCE	0.10 μg/L	0.093	0.091	0.093	0.090	0.086	0.083	0.094	0.0042	0.013	2.0 μg/L
PCE	0.10 μg/L	0.108	0.103	0.102	0.103	0.099	0.101	0.110	0.0039	0.012	2.0 μg/L
BEN	0.10 μg/L	0.575	0.589	0.577	0.578	0.566	0.553	0.564	0.0117	0.037	2.0 μg/L
TOL	0.10 μg/L	0.416	0.423	0.415	0.429	0.409	0.423	0.422	0.0066	0.021	2.0 μg/L
EBEN	0.10 μg/L	0.385	0.411	0.377	0.400	0.391	0.397	0.542	0.0572	0.180	2.0 μg/L
m/p-X	0.20 μg/L	0.796	0.828	0.728	0.798	0.784	0.756	0.716	0.0405	0.127	4.0 μg/L
o-X	0.10 μg/L	0.371	0.393	0.348	0.479	0.362	0.392	0.376	0.0429	0.135	2.0 μg/L

Second VOC MDL Study

						-					
COMPOUND	SPIKE CONC.	R1	R2	R3	R4	R5	R6	R7_	STD. DEV.	MDL	RL
VC	0.10 μg/L	0.065	0.059	0.055	0.043	0.052	0.044	0.050	0.0079	0.025	1.0 μg/L
1,1-DCE	0.10 μg/L	0.080	0.071	0.067	0.066	0.054	0.054	0.048	0.0111	0.035	1.0 μg/L
t-1,2-DCE	0.10 μg/L	0.104	0.089	0.099	0.092	0.092	0.085	0.080	0.0079	0.025	1.0 μg/L
c-1,2-DCE	0.10 μg/L	0.086	0.078	0.087	0.079	0.083	0.073	0.077	0.0050	0.016	1.0 μg/L
Chloroform	0.10 μg/L	0.110	0.105	0.114	0.106	0.110	0.101	0.105	0.0043	0.014	1.0 μg/L
1,1,1-TCA	0.10 μg/L	0.095	0.090	0.098	0.089	0.096	0.086	0.088	0.0047	0.015	1.0 μg/L
Carbon tet.	0.10 μg/L	0.093	0.087	0.097	0.085	0.094	0.085	0.086	0.0050	0.016	1.0 μg/L
TCE	0.10 μg/L	0.090	0.085	0.091	0.084	0.085	0.081	0:081	0.0039	0.012	1.0 μg/L
PCE	0.10 μg/L	0.090	0.084	0.095	0.089	0.086	0.082	0.079	0.0054	0.017	1.0 μg/L
BEN	0.10 μg/L	0.110	0.106	0.102	0.104	0.109	0.106	0.109	0.0029	0.009	1.0 μg/L
TOL	0.10 μg/L	0.118	0.117	0.115	0.114	0.119	0.115	0.118	0.0019	0.006	1.0 μg/L
CBEN	0.10 μg/L	0.101	0.095	0.096	0.097	0.102	0.096	0.097	0.0028	0.009	1.0 μg/L
EBEN	0.10 μg/L	0.112	0.105	0.106	0.110	0.113	0.108	0.115	0.0037	0.012	1.0 μg/L
m/p-X	0.20 μg/L	0.244	0.223	0.222	0.227	0.239	0.230	0.222	0.0088	0.028	2.0 μg/L
o-X	0.10 μg/L	0.128	0.124	0.122	0.122	0.125	0.123	0.124	0.0021	0.007	1.0 μg/L

APPENDIX D-2 TABLE D4-1 EPH, VPH, TPHC MATRIX SPIKE and MATRIX SPIKE DUPLICATE RESULTS

1996 ON-SITE LABORATORY FORT DEVENS, MASSACHUSETTS

EPH MS/MSD

SAMPLE ID	SAMPLE CONC. (mg/Kg)	MS CONC. ADDED (mg/Kg)	MS RECOVERY (%)	MSD RECOVERY (%)	RPD (%)
BX613A17XF	<100	100	45	54	18
BX610123XF	<100	100	50	43	15

VPH MS/MSD

SAMPLE ID	SAMPLE CONC. (mg/Kg)	MS CONC. ADDED (mg/Kg)	MS RECOVERY (%)	MSD RECOVERY (%)	RPD (%)
BX613A17XF	<6.3	12.5	88	91	3.4
BX610123XF	<6.3	12.5	57	63	10

TPHC MS

SAMPLE ID	SAMPLE CONC. (mg/Kg)	MS CONC. ADDED (mg/Kg)	MS RECOVERY (%)
RF571503	12,000E	2500	NC
EF573004	12,000E	2500	NC
BF570900	<53	2500	104
RF572002	<54	2500	104
BF571005	<53	2500	96
EF572803	<52	2500	92
RF571409	64	2500	92
BFZW1909	840	2500	162
BFZW0302	<54	2500	88

NC = Not calculated

E = Exceeded calibration range

VOC MATRIX SPIKE and MATRIX SPIKE DUPLICATE RESULTS 1996 ON-SITE LABORATORATORY FORT DEVENS, MASSACHUSETTS

riqueous samples							
SAMPLE	ANALYTE	SAMPLE	MS CONC.	MS	MSD		
ID		CONC.	ADDED	RECOVERY	RECOVERY	RPD	
		(ug/L)	(ag/L)	(%)	(%)	(%)	
MXBD01P1XF	VC	<2.0	5.0	101	101	0	
	t-1,2-DCE	<2.0	5.0	99	103	4.0	
	c-1,2-DCE	<2.0	5.0	93	102	9.2	
	TCE	<2.0	5.0	101	104	2.9	
	PCE	<2.0	5.0	102	105	2.9	
	BEN	<2.0	5.0	90	100	11	
	TOL	<2.0	5.0	87	129	39	
	EBEN	<2.0	5.0	94	109	15	
	m/p-X	<4.0	10	93	104	11	
	0-X	<2.0	5.0	90	104	14	
	U-X	\2.0	5.0	90	104	14	
XFSA0315	VC	<2.0	5.0	105	109	3.7	
1	t-1,2-DCE	<2.0	50	85	89	4.6	
	c-1,2-DCE	<2.0	50	87	92	5.6	
·	TCE	<2.0	50	86	91	5.6	
	PCE	<2.0	50	88	92	4.4	
	BEN	<2.0	50	94	96	2.1	
	TOL	<2.0	50	94	95	1.1	
	EBEN	<2.0	50	94	96	2.1	
	m/p-X	<4.0	100	95	97	2.1	
	0-X	<2.0	50	95 95	97	2.1	
	0-A	~2.0	30	93	91	2.1	
XFSA0265	VC	<2.0	5.0 •	101	105	3.9	
110200	t-1,2-DCE	<2.0	50	103	101	2.0	
	c-1,2-DCE	8.5	50	95	93	2.1	
	TCE	<2.0	50	105	104	1.0	
1	PCE	15	50	81	79	2.5	
ļ.	BEN	<2.0	50	97	97	0	
	TOL	<2.0	50	98	98	0	
	EBEN	3.1	50 50	96	98 .	2.1	
	m/p-X	<4.0	100	105	104	1.0	
	0-X	<2.0	50	103	104		
	0-A	~2.0	30	103	104	1.0	
XFSA0660	VC	<1.0	10	87	89	2.3	
	1,1-DCE	<1.0	10	96	97	1.0	
	t-1,2-DCE	<1.0	10	95	101	6.1	
	c-1,2-DCE	<1.0	10	60	97	47	
	Chloroform	<1.0	10	84	108	25	
	1,1,1-TCA	<1.0	10	101	105	3.9	
	Carbon tet.	<1.0	10	101	103	2.0	
	TCE	<1.0	10	95	101	6.1	
	PCE	<1.0	10	67	55	20	
	1,3-DCB	<1.0	10	70	104	39	
	•		10				
L	1,4-DCB	<1.0	10	64	102	46	

VOC MATRIX SPIKE and MATRIX SPIKE DUPLICATE RESULTS 1996 ON-SITE LABORATORATORY FORT DEVENS, MASSACHUSETTS

SAMPLE	ANALYTE	SAMPLE	MS CONC.	MS	MSD	
ID	MULLIC	CONC.	ADDED	RECOVERY	RECOVERY	RPD
		(ug/L)	(ug/L)	(%)	(%)	(%)
	1,2-DCB	<1.0	10	56	108	63
	BEN	<1.0	10	87	102	16
	TOL	<1.0	10	90	103	13
	CBEN	<1.0	10	79	106	29
	EBEN	<1.0	10	93	103	10
	m/p-X	<2.0	20	92	104	12
	o-X	<1.0	10	7 9	102	25
	Naph	<1.0	10	12*	101	158*
XFSA0755	VC	<1.0	10	85	91	6.8
	1,1-DCE	<1.0	10	98	102	4.0
•	t-1,2-DCE	<1.0	10	102	104	1.9
	c-1,2-DCE	<1.0	10	108	111	2.7
	Chloroform	<1.0	10	110	110	0
	1,1,1-TCA	<1.0	10	105	107	1.9
	Carbon tet.	<1.0	10	104	107	2.8
	TCE	<1.0	10	110	109	0.9
	PCE	<1.0	10	116	117	0.9
	1,3-DCB	<1.0	10	106	108	1.9
	1,4-DCB	<1.0	10	107	109	1.9
	1,2-DCB	<1.0	10	114	114	0
	BEN	<1.0	10	105	106	0.9
	TOL	<1.0	10	108	108	0
	CBEN	<1.0	10	106	105	0.9
	EBEN	<1.0	· 10	105	104	1.0
	m/p-X	<2.0	20	109	108	0.9
	o-X	<1.0	10	106	106	0
	Naph	<1.0	10	99	113	13
XFSA1015	VC	<1.0	10	110	113	2.7
VIDVIOID	1,1-DCE	<1.0	10	112	114	1.8
	t-1,2-DCE	<1.0 <1.0	10	112	120	1.7
	c-1,2-DCE	<1.0	10	114	116	1.7
	Chloroform	<1.0	10	113	116	2.6
	1,1,1-TCA	<1.0	10	112	113	0.9
	Carbon tet.	<1.0	10	112	115	2.6
	TCE	<1.0	10	115	116	0.9
	PCE	<1.0	10	114	115	0.9
	1,3-DCB	<1.0	10	118	119	0.8
	1,4 - DCB	<1.0	10	120	123	2.5
	1,2-DCB	<1.0 <1.0	10	125	128	2.4
	BEN	<1.0	10	103	104	1.0
	TOL	<1.0	10	106	107	0.9
	CBEN	<1.0	10	103	107	1.9
	EBEN	<1.0	10	103	103	1.0
	m/p-X	<2.0	20	102	103	1.0

VOC MATRIX SPIKE and MATRIX SPIKE DUPLICATE RESULTS 1996 ON-SITE LABORATORATORY FORT DEVENS, MASSACHUSETTS

Aqueous samples						
SAMPLE ID	ANALYTE	SAMPLE CONC.	MS CONC. ADDED	MS RECOVERY	MSD RECOVERY	RPD
	- V	(eg/L)	(ug/L)	(%)	(%)	(%)
	o-X	<1.0	10	104	105	1.0
7/FG A 1000	Naph	<1.0	10	125	146	15
XFSA1220	VC	<1.0	10	88	91	. 3.4
	1,1-DCE	<1.0	10	96	99	3.1
	t-1,2-DCE	<1.0	10	97	102	5.0
	c-1,2-DCE	<1.0	10	95	101	6.1
	Chloroform	<1.0	10	96	102	6.1
	1,1,1-TCA	<1.0	10	98	101	3.0
	Carbon tet.	<1.0	10	96	100	4.1
	TCE	<1.0	10	95	100	5.1
	PCE	<1.0	10	96	102	6.1
	1,3 - DCB	<1.0	10	96	105	9.0
	1,4 - DCB	<1.0	10	95	105	10
	1,2-DCB	<1.0	10	88	104	17
	BEN	<1.0	10	101	104	2.9
1	TOL	<1.0	10	103	106	2.9
	CBEN	<1.0	10	100	104	3.9
	EBEN	<1.0	10	100	103	3.0
	m/p-X	<2.0	20	100	103	3.0
	o-X	<1.0	10	101	105	3.9
	Naph	<1.0	10	94	127	30
XFSA1420	VC	<1.0	10	82	84	2.4
AI SAI 420	1,1-DCE	<1.0	10	96	98	2.4
						2.1
	t-1,2-DCE	<1.0	10	104	108	3.8
	c-1,2-DCE	<1.0	10	102	107	4.8
Ī	Chloroform	<1.0	10	105	109	3.7
	1,1,1-TCA	<1.0	10	103	107	3.8
	Carbon tet.	<1.0	10	105	110	4.7
	TCE	<1.0	10	108	110	1.8
	PCE	<1.0	10	112	115	2.6
Ì	1,3 - DCB	<1.0	10	111	115	3.5
	1,4-DCB	<1.0	10	122	126	3.2
	1,2-DCB	<1.0	10	128	132	3.1
	BEN	<1.0	10	99	99	0
	TOL	<1.0	10	100	101	1.0
	CBEN	<1.0	10	102	103	1.0
	EBEN	<1.0	10	100	101	1.0
	m/p-X	<2.0	20	100	101	1.0
	o-X	<1.0	10	102	103	1.0
	Naph	<1.0	10	102	136	29

VOC MATRIX SPIKE and MATRIX SPIKE DUPLICATE RESULTS 1996 ON-SITE LABORATORATORY FORT DEVENS, MASSACHUSETTS

SAMPLE	ANALYTE	SAMPLE	MS CONC.	MS	MSD	
ID		CONC.	ADDED	RECOVERY	RECOVERY	RPD
		(ug/L)	(ug/L)	(%)	(%)	(%)
XFSA1350	VC	<1.0	10	84	79	6.1
	1,1-DCE	<1.0	10	102	99	3.0
	t-1,2-DCE	<1.0	10	110	109	0.9
	c-1,2-DCE	<1.0	10	107	108	0.9
	Chloroform	<1.0	10	108	107	0.9
	1,1,1 - TCA	<1.0	10	105	104	1.0
	Carbon tet.	<1.0	10	106	106	0.0
	TCE	<1.0	10	106	108	1.9
	PCE	<1.0	10	99	101	2.0
	1,3-DCB	<1.0	10	111	111	0
	1,4-DCB	<1.0	10	121	120	0.8
	1,2-DCB	<1.0	10	121	118	2.5
	BEN	<1.0	10	101	100	1.0
	TOL	<1.0	10	103	102	1.0
	CBEN	<1.0	10	106	105	0.9
	EBEN	<1.0	10	103	102	1.0
	m/p-X	<2.0	20	103	102	1.0
	o-X	<1.0	10	105	104	1.0
	Naph	<1.0	10	135	146	7.8
XFSA2030	VC	<1.0	10	69	74	7.0
	1,1-DCE	<1.0	10	97	103	6.0
	t-1,2-DCE	<1.0	10	108	112	3.6
	c-1,2-DCE	<1.0	10	113	116	2.6
	Chloroform	<1.0	10	114	116	1.7
	1,1,1 - TCA	<1.0	10	109	114	4.5
	Carbon tet.	<1.0	10	110	114	3.6
	TCE	<1.0	10	110	114	3.6
	PCE	<1.0	10	111	117	5.3
	1,3-DCB	<1.0	10	120	125	4.1
1	1,4-DCB	<1.0	10	123	133	7.8
	1,2-DCB	<1.0	10	127	141	10
	BEN	<1.0	10	90	93	3.3
1	TOL	<1.0	10	93	96	3.2
	CBEN	<1.0	10	97	100	3.0
	EBEN	<1.0	- 10	94	99	5.2
	m/p-X	<2.0	20	· 94	100	6.2 .
	o-X	<1.0	10	98	99	1.0
	Naph	<1.0	10	144	151	4.7

APPENDIX D-2 TABLE D4-2 MATRIX SPIZE and MATRIX SPIZE

VOC MATRIX SPIKE and MATRIX SPIKE DUPLICATE RESULTS 1996 ON-SITE LABORATORATORY FORT DEVENS, MASSACHUSETTS

SAMPLE	ANALYTE	SAMPLE	MS CONC.	MS	MSD	
D	141114474 4 41	CONC.	ADDED	RECOVERY	RECOVERY	RPD
		(ug/Kg)	(ug/Kg)	(%)	(%)	(%)
RF570802	VC	<125	625	108	105	2.8
14370002	1,1 - DCE	<125	625	103	99	4.0
	t-1,2-DCE	<125	625	108	108	0
	c-1,2-DCE	<125	625	107	108	0.9
,	Chloroform	<125	625	107	. 108	0.9
'	1,1,1-TCA	<125	625	107	109	1.9
	Carbon tet.	<125	625	111	112	0.9
·	TCE	<125	625	109	108	0.9
	PCE	<125	625	107	106	0.9
	BEN	<125	625	98	97	1.0
	TOL	<125	625	98	98	0
	CBEN	<125	625	99	102	3.0
	EBEN	<125	625	99	99	0
	m/p-X	<250	1250	98	99	1.0
	o-X	<125	625	99	98	1.0
				٠		
				•		
EF573004	VC	<125	625	102	104	1.9
	1,1-DCE	<125	625	97	92	5.3
	t-1,2-DCE	<125	625	106	108	1.9
•	c-1,2-DCE	<125	625	106	108	1.9
	Chloroform	<125	625	106	108	1.9
	1,1,1-TCA	<125	625	106	108	1.9
	Carbon tet.	<125	625	108	108	0
	TCE	<125	625	107	109	1.9
	PCE	<125	625	112	113	0.9
	BEN	<125	625	99	99	0
	TOL	<125	625	100	100	0
	CBEN	<125	625	100	102	2.0
	EBEN	<125	625	107	110	2.8
	m/p-X	<250	1250	113	113	0
	o-X	<125	625	117	117	0
BFZW1901	VC	<125	625	103	99	4.0
	1,1-DCE	<125	625	105	102	2.9
	t-1,2-DCE	<125	625	107	105	1.9
	c-1,2-DCE	<125	625	106	105	0.9
	Chloroform	<125	625	105	105	0
	1,1,1-TCA	<125	625	105	104	1.0
	Carbon tet.	<125	625	107	104	2.8

VOC MATRIX SPIKE and MATRIX SPIKE DUPLICATE RESULTS 1996 ON-SITE LABORATORATORY FORT DEVENS, MASSACHUSETTS

SAMPLE	ANALYTE	SAMPLE	MS CONC.	MS	MSD	
D		CONC.	ADDED	RECOVERY	RECOVERY	RPD
		(ug/Kg)	(ug/Kg)	(%)	(%)	(%)
	TCE	<125	625	107	105	1.9
	PCE	<125	625	108	106	1.9
	1,3-DCB	<125	625	101	100	1.0
	1,4-DCB	<125	625	103	104	1.0
	1,2-DCB	<125	625	107	111	3.7
·	BEN	<125	625	95	95	0
Į	TOL	<125	625	97	97	0
	CBEN	<125	625	95	95	0
	EBEN	<125	625	96	96	0
•	m/p-X	<250	1250	96	96	0
	o-X	<125	625	97	97	0
•	Naph	<125	625	84	101	18
	- ·- -					
RF571605	VC	<125	625	81	81	0
	1,1-DCE	<125	625	89	86	3.4
	t-1,2-DCE	<125	625	94	94	0
	c-1,2-DCE	<125	625	103	103	0
	Chloroform	<125	625	113	112	0.9
	1,1,1-TCA	<125	625	108	108	0
	Carbon tet.	<125	625	104	102	1.9
	TCE	<125	625	102	102	0
	PCE	<125	625	102	103	1.0
	1,3-DCB	<125	625	107	108	0.9
	1,4-DCB	<125	625	108	107	0.9
	1,2-DCB	<125	625	107	109	1.9
	BEN	<125	625	78	79	1.3
	TOL	<125	625	80	81	1.2
	CBEN	<125	625	82	82	0
	EBEN	<125	625	83	83	0 .
	m/p-X	<250	1250	81	81	0
	o-X	<125	625	83	83	0
	Naph	<125	625	90	97	7.5
2255	***	410.5	<i>-</i>		5 .	
RF571705	VC	<125	625	76	76	0
	1,1-DCE	<125	625	62	64	3.2
	t-1,2-DCE	<125	625	125	126	0.8
	c-1,2-DCE	<125	625	103	104	1.0
	Chloroform	<125	625	122	123	0.8
	1,1,1-TCA	<125	625	106	106	0

VOC MATRIX SPIKE and MATRIX SPIKE DUPLICATE RESULTS 1996 ON-SITE LABORATORATORY FORT DEVENS, MASSACHUSETTS

			Son samples			
SAMPLE	ANALYTE	SAMPLE	MS CONC.	M5	MSD	
D		CONC.	ADDED	RECOVERY	RECOVERY	RPD
		(ug/Kg)	(ug/Kg)	(%)	(%)	(%)
	Carbon tet:	<125	625	108	107	0.9
· ·	TCE	<125	625	103	103	. 0
	PCE	<125	625	102	104	1.9
	1,3-DCB	<125	625	104	107	2.8
	1,4-DCB	<125	625	104	108	3.8
	1,2-DCB	<125	625	104	109	4.7
	BEN	<125	625	78	79	1.3
	TOL	<125	625	82	83	1.2
	CBEN	<125	625	81	81	0
	EBEN	<125	625	82	83	1.2
	m/p-X	<250	1250	80	81	1.2
	o-X	<125	625	82	83	1.2
	Naph	<125	625	77	89	14
BFZW2110	VC	<125	625	73	73	0 .
DFZ-W2110	1,1 - DCE	<125	625	73 61	61	0 -
	t-1,2-DCE	<125	625	99	99	0
	c-1,2-DCE	<125	625	101	101	0
	Chloroform	<125	625	116	116	0
	1,1,1-TCA	<125	625	105	105	0
	Carbon tet.	<125	625	107	107	0
	TCE	<125	625	104	103	1.0
	PCE	<125	625	104	102	1.9
	1,3-DCB	<125	625	108	108	0
·	1,4-DCB	<125	625	118	112	5.2
	1,2-DCB	<125	625	120	115	4.3
1	BEN	<125	625	78	77	1.3
ļ.	TOL	<125	625	83	83	0
	CBEN	<125	625	80	80	0
	EBEN	<125	625	82	82	0
	m/p-X	<250	1250	80	80	0
	o-X	<125	625	82	82	0
	Naph	<125	625	84	95	12
RF572002	VC	<125	625	101	98	3.0
	1,1-DCE	<125	625	108	105	2.8
	t-1,2-DCE	<125	625	130	127	2.3
	c-1,2-DCE	<125	625	108	106	1.9
	Chloroform	<125	625	112	111	0.9

VOC MATRIX SPIKE and MATRIX SPIKE DUPLICATE RESULTS 1996 ON-SITE LABORATORATORY FORT DEVENS, MASSACHUSETTS

CONC. ADDED RECOVERY RECOVERY RPD (ug/Kg) (vg) (v	SAMPLE	ANALYTE	SAMPLE	MS CONC.	MS	MSD	
(ug/Kg) (ug/Kg) (%) (%) (%) (%) (%) (%) (%) (%) (%) (%							RPD
1,1,1-TCA			~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~				
Carbon tet.		1,1,1-TCA					
TCE <125 625 108 102 5.7 PCE <125 625 108 105 2.8 1,3-DCB <125 625 101 102 1.0 1,4-DCB <125 625 102 104 1.9 1,2-DCB <125 625 100 99 1.0 TOL <125 625 101 99 2.0 CBEN <125 625 100 100 0 0 EBEN <125 625 100 100 100 0 0 EBEN <125 625 100 100 99 1.0 m/p-X <250 1250 100 99 1.0 o-X <125 625 97 96 1.0 Naph <125 625 97 96 1.0 Naph <125 625 102 104 1.9 t-1,2-DCE <125 625 118 123 4.1 c-1,2-DCE <125 625 118 123 4.1 c-1,2-DCE <125 625 107 109 1.9 Chloroform <125 625 112 116 3.5 1,1,1-TCA <125 625 105 106 0.9 Carbon tet. <125 625 102 104 1.9							
PCE <125 625 108 105 2.8 1,3-DCB <125 625 101 102 1.0 1,4-DCB <125 625 102 104 1.9 1,2-DCB <125 625 107 112 4.6 BEN <125 625 100 99 1.0 TOL <125 625 101 99 2.0 CBEN <125 625 100 100 0 EBEN <125 625 100 100 0 EBEN <125 625 100 99 1.0 M/p-X <250 1250 100 99 1.0 m/p-X <250 1250 100 99 1.0 Naph <125 625 97 96 1.0 Naph <125 625 97 96 1.0 Naph <125 625 102 104 1.9 t-1,2-DCE <125 625 118 12 104 1.9 C-1,2-DCE <125 625 107 109 1.9 Chloroform <125 625 107 109 1.9 Chloroform <125 625 107 109 1.9 Chloroform <125 625 112 116 3.5 1,1,1-TCA <125 625 105 106 0.9 Carbon tet. <125 625 105 106 0.9 Carbon tet. <125 625 105 106 0.9							
1,3-DCB		PCE					
1,4-DCB		1,3-DCB					
1,2-DCB		1,4-DCB	<125	625			
BEN <125 625 100 99 1.0 TOL <125 625 101 99 2.0 CBEN <125 625 100 100 0 EBEN <125 625 100 99 1.0 m/p-X <250 1250 100 99 1.0 o-X <125 625 97 96 1.0 Naph <125 625 84 102 19 BF570900 VC <125 625 92 93 1.1 1,1-DCE <125 625 102 104 1.9 t-1,2-DCE <125 625 118 123 4.1 c-1,2-DCE <125 625 107 109 1.9 Chloroform <125 625 112 116 3.5 1,1,1-TCA <125 625 105 106 0.9 Carbon tet. <125 625 102 104 1.9		1,2-DCB					
TOL <125 625 101 99 2.0 CBEN <125 625 100 100 0 EBEN <125 625 100 99 1.0 m/p-X <250 1250 100 99 1.0 o-X <125 625 97 96 1.0 Naph <125 625 84 102 19 BF570900 VC <125 625 92 93 1.1 1,1-DCE <125 625 102 104 1.9 t-1,2-DCE <125 625 118 123 4.1 c-1,2-DCE <125 625 107 109 1.9 Chloroform <125 625 112 116 3.5 1,1,1-TCA <125 625 105 106 0.9 Carbon tet. <125 625 105 106 0.9 Carbon tet. <125 625 102 104 1.9							
CBEN <125 625 100 100 0 EBEN <125 625 100 99 1.0 m/p-X <250 1250 100 99 1.0 o-X <125 625 97 96 1.0 Naph <125 625 84 102 19 BF570900 VC <125 625 92 93 1.1 1,1-DCE <125 625 102 104 1.9 t-1,2-DCE <125 625 118 123 4.1 c-1,2-DCE <125 625 107 109 1.9 Chloroform <125 625 112 116 3.5 1,1,1-TCA <125 625 105 106 0.9 Carbon tet. <125 625 102 104 1.9							
BF570900 VC <125 625 100 99 1.0 Naph <125 625 97 96 1.0 Naph <125 625 84 102 19 BF570900 VC <125 625 92 93 1.1 1,1-DCE <125 625 102 104 1.9 t-1,2-DCE <125 625 118 123 4.1 c-1,2-DCE <125 625 107 109 1.9 Chloroform <125 625 112 116 3.5 1,1,1-TCA <125 625 105 106 0.9 Carbon tet. <125 625 102 104 1.9		CBEN	<125				
m/p-X <250							
o-X <125		m/p-X					
BF570900 VC <125 625 92 93 1.1 1,1-DCE <125 625 102 104 1.9 t-1,2-DCE <125 625 118 123 4.1 c-1,2-DCE <125 625 107 109 1.9 Chloroform <125 625 112 116 3.5 1,1,1-TCA <125 625 105 106 0.9 Carbon tet. <125 625 102 104 1.9			<125	625			
BF570900 VC <125 625 92 93 1.1 1,1-DCE <125 625 102 104 1.9 t-1,2-DCE <125 625 118 123 4.1 c-1,2-DCE <125 625 107 109 1.9 Chloroform <125 625 112 116 3.5 1,1,1-TCA <125 625 105 106 0.9 Carbon tet. <125 625 102 104 1.9		Naph	<125	625			
1,1-DCE <125		-					
1,1-DCE <125							
t-1,2-DCE <125 625 118 123 4.1 c-1,2-DCE <125 625 107 109 1.9 Chloroform <125 625 112 116 3.5 1,1,1-TCA <125 625 105 106 0.9 Carbon tet. <125 625 102 104 1.9	570900				92	93	1.1
c-1,2-DCE <125		1,1 - DCE		625	102	104	1.9
Chloroform <125		•				123	4.1
1,1,1-TCA <125 625 105 106 0.9 Carbon tet. <125 625 102 104 1.9					107	109	1.9
Carbon tet. <125 625 102 104 1.9						116	3.5
						106	0.9
TCE /125 /25 101 105 0.0							
<u> </u>	,	TCE	<125	625	101	105	3.9
PCE <125 625 102 103 1.0						103	1.0
1,3-DCB <125 625 100 103 3.0						103	3.0
1,4-DCB <125 625 99 102 3.0							
1,2-DCB <125 625 101 107 5.8							
BEN <125 625 99 102 3.0							
TOL <125 625 102 103 1.0							
CBEN <125 625 100 103 3.0							
EBEN <125 625 100 102 2.0							
m/p-X <250 1250 100 103 3.0							
o-X <125 625 100 104 3.9							
Naph <125 625 72 94 27		Naph	<125	625	72	94	27
BX502005 VC <1.0 10 61 95 44	502005	VC	<1.0	10	61	95	44
1,1-DCE <1.0 10 93 94 1.1							
t-1,2-DCE <1.0 10 71 95 29							
c-1,2-DCE <1.0 10 78 93 18	•						

VOC MATRIX SPIKE and MATRIX SPIKE DUPLICATE RESULTS 1996 ON-SITE LABORATORATORY FORT DEVENS, MASSACHUSETTS

SAMPLE	ANALYTE	SAMPLE	MS CONC.	MS	MSĐ	
ID		CONC.	ADDED	RECOVERY	RECOVERY	RPD
		(ug/Kg)	(ug/Kg)	(%)	(%)	(%)
	Chloroform	<1.0	10	79	94	17
	1,1,1-TCA	<1.0	10	72	95	28
	Carbon tet.	<1.0	10	70	.97	32
	TCE	<1.0	10	75	93	21
	PCE	<1.0	10	77	95	21
	1,3-DCB	<1.0	10	92	95	3.2
	1,4 - DCB	<1.0	10	93	99	6.3
	1,2-DCB	<1.0	10	95	104	9.0
	BEN	<1.0	10	67	. 84	23
	TOL	<1.0	· 10	71	84	17
	CBEN	. <1.0	10	78	85	8.6
	EBEN	<1.0	10	75	85	13
	m/p-X	<2.0	20	75	85	13
	o-X	<1.0	10	78	85	8.6
	Naph	<1.0	10	126	101	22
4						
BX502015	VC	<1.0	10	111	97	13
	1,1-DCE	<1.0	10	110	99	11
	t-1,2-DCE	<1.0	10	110	102	7.5
	c-1,2-DCE	<1.0	10	109	102	6.6
	Chloroform	<1.0	10	110	104	5.6
	1,1,1 - TCA	<1.0	10	111	103	7.5
	Carbon tet.	<1.0	10	112	104	7.4
	TCE	<1.0	10	108	100	7.7
	PCE	<1.0	10	116	106	9.0
	1,3-DCB	<1.0	10	108	103	4.7
	1,4 - DCB	<1.0	10	110	104	5.6
	1,2-DCB	<1.0	10	110	106	3.7
	BEN	<1.0	10	98	89	9.6
	TOL	<1.0	10	98	89	9.6
	CBEN	<1.0	10	97	91	6.4
	EBEN	<1.0	10	98	91	7.4
	m/p-X	<2.0	20	98	91	7.4
	o-X	<1.0	10	98	91	7.4
	Naph	<1.0	10	90	101	12
<u> </u>						

VOC MATRIX SPIKE and MATRIX SPIKE DUPLICATE RESULTS 1996 ON-SITE LABORATORATORY FORT DEVENS, MASSACHUSETTS

SAMPLE	ANALYTE	SAMPLE	MS CONC.	MS	MSD	DDD
D		CONC. (ug/Kg)	ADDED (ug/Kg)	RECOVERY (%)	RECOVERY (%)	RPD (%)
BX502025	VC.	<1.0	10	88	87	1.1
:	1,1 - DCE	<1.0	10	91	88	3.4
·	t-1,2-DCE	<1.0	10	98	96	2.1
	c-1,2-DCE	<1.0	10	101	100	1.0
	Chloroform	<1.0	10	103	100	3.0
	1,1,1-TCA	<1.0	10	96	91	5.3
J	Carbon tet.	<1.0	10	95	91	4.3
	TCE	<1.0	10	97	93	4.2
	PCE	<1.0	10	166	163	1.8
	1,3 - DCB	<1.0	10	104	103	1.0
	1,4-DCB	<1.0	10	107	109	1.9
	1,2 - DCB	<1.0	10	108	112	3.6
1	BEN	<1.0	10	84	82	2.4
	TOL	<1.0	10	84	82	2.4
	CBEN	<1.0	10	89	87	2.3
	EBEN	<1.0	10	85	83	2.4
	m/p-X	<2.0	20	85	83	2.4
1	o-X	<1.0	10	87	85	2.3
	Naph	<1.0	10	106	106	0

EPH, VPH, TPHC FIELD DUPLICATE RESULTS 1996 ON-SITE LABORATORY FORT DEVENS, MASSACHUSETTS

EPH Duplicates

SAMPLE ID	SAMPLE CONC. (mg/Kg)	DUPLICATE CONC. (mg/Kg)	RPD (%)
BX613A17XF	<100	<100	NA
BX610115XF	<100	<100	NA
MXBD0323XF	<100	<100	NA
MXBD0217XF	<100	<100	NA

VPH Duplicates

SAMPLE ID	SAMPLE CONC. (mg/Kg)	DUPLICATE CONC. (mg/Kg)	RPD (%)
BX613A17XF	<6.3	<6.3	NA
BX610115XF	<6.3	<6.3	NA
MXBD0323XF	<6.3	<6.3	NA
MXBD0217XF	<6.3	<6.3	NA

TPHC Duplicates

SAMPLE ID	SAMPLE CONC. ppm	DUPLICATE CONC. ppm	RPD (%)
RF571206	<52	<52	NA
EF573106	10,000	14,000	33
BFZW1901	<53	53	200
BFZW1905	<53	<53	NA
RF571503	12000E	12000E	0
RF571603	53	53	0
BFZW0304	<58	<58	NA
BFZW0306	<57	<59	NA
RF571709	65	<65	200
RF572002	<54	<54	NA ·
BF571110	<62	<65	NA
BF570910	<70	<70	NA
EF572803	<52	52	200
RF571409	64	<64	200

NC = Not calculated

NA = Not applicable

E = Exceeded calibration range

APPENDIX D-2 TABLE D4-4 VOC DUPLICATE RESULTS 1996 ON-SITE LABORATORY FORT DEVENS, MASSACHUSETTS

SAMPLE	ANALYTE	SAMPLE	DUPLICATE	non
ID		CONC. (ug/L)	CONC. (ug/L)	RPD (%)
		(ug.E)	(ug/L)	(20)
MX613B30XF	ALL BRL	ND	ND	NA
MX610129XF	ALL BRL	ND	ND	NA
XFSA0315	ALL BRL	ND	ND	NA
XFSA0345	VC	4.0	4.3	7.2
	c-1,2-DCE	86	85	1.2
	TCE	25	24	4.1
	PCE	67	65	3.0
	EBEN	3.3	3.0	9.5
	m/p-X	9.0	8.1	11
•	o-X	2.7	2.2	20
XFSA0265	c-1,2-DCE	8.5	6.8	22
	PCE	15	12	22
	EBEN	3.1	<2.0	200.0
MF571305	TOL	2.9	2.6	11
	EBEN	2.8	2.6	7.4
	·			
XFSA0420	PCE	33E	33E	0
XFSA0520	c-1,2-DCE	4.1	4.6	11
	PCE	2.3	2.5	8.3
XFSA0640	ALL BRL	ND	ND	NA
XFSA0650	ALL BRL	ND	ND	NA
XFSA0755	ALL BRL	ND	ND	NA
XFSA0840	ALL BRL	ND	ND	NA
XFSA1015	ALL BRL	ND	ND	NA
XFSA1035	ALL BRL	ND	ND	NA
XFSA1130	PCE	64E	63E	1.6
XFSA1330	PCE	4500	4100	9.3
XFSA1420	ALL BRL	ND	ND	NA
XFSA1440	PCE	3.0	3.2	6.5
XFSA1350	PCE	12000	8000	40

APPENDIX D-2 TABLE D4-4 VOC DUPLICATE RESULTS 1996 ON-SITE LABORATORY FORT DEVENS, MASSACHUSETTS

SAMPLE ID	ANALYTE	SAMPLE CONC. (ug/L)	DUPLICATE CONC. (ug/L)	RPD (%)
XFSA1945	c-1,2-DCE	11	7.7	35
	PCE	26E	20	26
XFSA1965	c-1,2-DCE	64E	70E	9.0
	TCE	17	18	5.7
	PCE	93E	100E	7.3
	TOL	4.9	7.8	46
XFSA2020	BRL	ND	ND	NA

APPENDIX D-2 TABLE D4-4 VOC DUPLICATE RESULTS 1996 ON-SITE LABORATORY FORT DEVENS, MASSACHUSETTS

SOIL Samples

	SOIL Samples							
	SAMPLE	ANALYTE	SAMPLE	DUPLICATE				
	ID		CONC.	CONC.	RPD			
			(ug/kg)	(ug/kg)	(%)			
	RF570802	BRL	ND	ND				
	,	*** *********************************) TTD	2770	374			
	EF573004	BRL	ND	ND	NA			
	RF571010	o-X	880	<300	200			
Ì	RF571206	BRL	ND	ND	NA			
	TTP650107	37. 1	7. 00	-070	200			
	EF573106	Naph	560	<270	200			
	BFZW1901	BRL	ND	ND	NA			
	RF571603	Chloroform	380 B	<260	200			
		Naph	<260	930	200			
	BFZW0304	BRL	ND	ND	NA			
	DI2 W0304	DICE	ND	ND	IVA			
1	BFZW0306	BRL	ND	ND	NA			
ı								
	RF571709	BRL	ND	ND	NA ·			
	RF572002	Chloroform	340	<270	200			
	IA 372002	Cindididini	340	, 12/0	200			
	BF571005	BRL	ND	ND	NA			
	BF571110	BRL	ND	ND	NA			
	BXG613B29	c-1,2-DCE	12	6.5	59			
	#110010 <i>1</i>	PCE	220E	100E	75			
	BX502025	PCE	17	21	21			
	737500000	זממ) III)	NTO	374			
- 1	BX502030	BRL	ND	ND	NA			

^{* =} data not included with statistics of the table, data is an outlier.

BRL = All target compounds reported below reporting limits

ND = non-detect

APPENDIX D-2 TABLE D5-1 VPH/EPH SPLIT SAMPLE RESULTS 1996 FIELD PROGRAM FORT DEVENS, MASSACHUSETTS

Sample Date	Sample	OFF-SITE EPH mg/kg	ON-SITE EPH mg/kg	RPD	SCENARIO 1,2,3,4
6/21/96	BX610127	0.18 U	120 U	NC	1
6/24/96	BX610225	0.16 U	110 U	NC	1
6/20/96	BX613A25	0.16 U	110 U	NC	1
6/19/96	BX613B27	0.17 U	130 U	NC	1
6/18/96	BXBD0123	0.17 U	110 U	NC	1
6/25/96	MXBD0327	0.16 U	110 U	NC	1
6/25/96	MXBD0229	0.18 U	120 U	NC	1
		OFF-SITE VPH µg/kg	On-SITE VPH mg/kg	RPD	SCENARIO 1,2,3,4
6/21/96	BX610127	13 U	7800 U	NC	1
6/24/96	BX610225	25 U	· 6700 U	NC	1 .
6/20/96	BX613A25	13 U	6600 U	NC	1
6/19/96	BX613B27	13 U	7900 U	NC	1
6/18/96	BXBD0123	280	7000 U	0	1
6/25/96	MXBD0327	25 U	7100 U	NC	1
6/25/96	MXBD0229	25 U	7500 U	NC	1

Notes:

BC = Not Calculated RPD = Relative Percent Difference

APPENDIX D-2 TABLE D5-2 TPHC SPLIT SAMPLE RESULTS 1996 FIELD PROGRAM FORT DEVENS, MASSACHUSETTS

FIELD SAMPLE		OFF-SITE	On-Site		
Number	Analyte	RESULT	Result	RPD	Scenario
EF 573106	TPHC	18300	1000	57*	2
EF573006	TPHC	6960	8900	24	2
EF572911	TPHC	262	160	48	1
EF572810	TPHC	36100	160	198*	4
BF571110	TPHC	27.8 U	62 U	NC	1
BF571105	TPHC	4250	7400	54*	2
BF571010	TPHC	27.8 U	65	200*	1
BF571005	TPHC	27.6 U	. 53 U	NC	1
BF570905	TPHC	27.8 U	61 U	NC	1
BF570900	TPHC	39.4	150	65*	1
BF570805	TPHC	27.8 U	67 U	NC	1
BF570800	TPHC	50	53	6.0	1
BF570705	TPHC	31600	14000 E	77*	2
BF570700	TPHC	41400	12000 E	110*	2
BFZW0306	TPHC	57.5	57 U	200*	1
BFZW0310	TPHC	27.8 U	61 U	NC	1
BFZW1905	TPHC	27.8 U	0.4 U	NC	1
BFZW1909	TPHC	1740	840	67*	2
BFZW2002	TPHC	27.8 U	62	200*	. 1
BRZW2004	TPHC	27.8 U	62 U	NC	• 1
BFZW2104	TPHC	27.8 U	55 U	NC	1
BFZW2108	TPHC	27.8 U	57	200*	11

Notes:

1. Concentrations in μg/g RPD = Relative Percent Difference

SUMMARY OF VOLATILE SPLIT SAMPLE RESULTS 1996 FIELD PROGRAM

FORT DEVENS, MASSACHUSETTS

FIELD SA	MPLE	TARGET	OFF-SITE RESULT	ON-SITE RESULT	RPD	CATEGORY
NUMB		COMPOUND		Hg/g		
	000000000000000000000000000000000000000	***************************************		(C 2. P		
BF570700		111TCE ·	.0044 U	1.4 U	NA	1
		11DCE	.0039 U	1.4 U	NA	1
		12DCE	.003 U	1.4 U	NA	1.
,		12DCLB	1 U	1.4 U	NA	1
		13DCLB	1 U	1.4 U	NA	1
	*	14DCLB	1 U	1.4 U	NA NA	1
		C2H3CL	.0062 U	1.4 U	NA	1
1		C6H6	.0015 U	1.4 U	NA.	1
		CCL4	.0013 U	1.4 U	NA NA	1
		CHCL3	.00087 U	1.4 U	NA NA	1
		CLC6H5	.00087 U	1.4 U	NA NA	1
		ETC6H5	.0017 U	1.4 U	NA NA	1
		MEC6H5	.0017 U	1.4 U	NA NA	1
		NAP	.00078 U .4 U	23.1	200	
		TCLEE	4 U 0057	1,4 U	2010 ()	1 1
		TRCLE	.0028 U	1.4 U	NA	1 I
	•	XYLEN	.0028 U	1.4 U	NA NA	1 1
		ATLEN	.0013 0	1.4 0	INA	1
BF570705		111TCE	0.022 U	1.6 U	NA	1
DI-370703		11DCE	0.022 U	1.6 U	NA NA	
ı I		12DCE	0.02 U 0.015 U	1.6 U	NA NA	1
		C2H3CL	0.013 U	1.6 U	, NA	1
		C2H3CL C6H6	0.031 U 0.0075 U	1.6 U	NA NA	1
		CCL4	0.0075 U 0.035 U	1.6 U	NA NA	1
		CHCL3	0.0044 U	1.6 U	NA NA	1 1
		CLC6H5	0.0044 U 0.0044 U	1.6 U	NA NA	1
		ETC6H5	12	1.0 0	161	1
		MEC6H5	0.31	101	NA	1
		TCLEE	0.0041 U	1.6 U	NA NA	1
		TRCLE	0.0041 U 0.014 U	1.6 U	NA NA	1
		XYLEN	0.014 0	1.0 U	119	1
			8	4.6		1
l		12DCLB 13DCLB	0.6 U	4.0 1.6 U	54 NA	1 1
		I4DCLB	7.0 0	1.6 U	150	1 1
		NAP	9	14 27 J	100	1 3
			,		1400	3
BF570800		111TCE	0.0044 U	0.27 U	NA	1
		11DCE	0.0039 U	0.27 U	NA NA	1
		12DCE	0.003 U	0.27 U	NA NA	1
		C2H3CL	0.0062 U	0.27 U	NA NA	1
		C6H6	0.0002 U	0.27 U	NA NA	1
1		CCL4	0.0013 U	0.27 U	NA NA	1
		CHCL3	0.0007 U	0.27 U	NA NA	1
		CLC6H5	0.00087 U	0.27 U	NA NA	
ΛĪ.		ETC6H5	0.00086 U 0.0017 U	0.27 U	NA NA	I .
7		MEC6H5	0.0017 0	0.27 U	NA ()	1
		TCLEE	0.00081 U	0.27 U	~ * ~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	1 1
		TRCLE	ŀ		NA NA	1
L		IKCLE	0.0028 U	0.27 U	NA	1

SUMMARY OF VOLATILE SPLIT SAMPLE RESULTS 1996 FIELD PROGRAM

FORT DEVENS, MASSACHUSETTS

FIEED SAMPLE	TARGET	OFF-SITE RESULT	ON-SITE RESULT	RPD	CATEGORY
NUMBER	COMPOUND	μg/g	µg/g		
	XYLEN	0.0015 U	0.54 U	NA	1
	12DCLB	.11 U	0.27 U	NA	1
,	13DCLB	.13 U	0.27 U	NA	1
	14DCLB	.098 U	0.27 U	NA	1
	NAP	.037 U	0.27 U	NA	1
BF570805	111TCE	0.0044 U	0.33 U	NA	1
	11DCE	0.0039 U	0.33 U	NA	1
	12DCE	0.003 U	0.33 U	NA	1
	C2H3CL	0.0062 U	0.33 U	NA	1
	С6Н6	0.0015 U	0.33 U	NA	1
	CCL4	0.007 U	0.33 U	NA	1
	CHCL3	0.00087 U	0.33 U	NA	1
	CLC6H5	0.00086 U	0.33 U	NA	1
	ETC6H5	0.0017 U	0.33 U	NA	1
	МЕС6Н5	0.00078 U	0.33 U	NA	1
	TCLEE	0.00081 U	0.33 U	NA	1
	TRCLE	0.0028 U	0.33 U	NA	1
	XYLEN	0.0015 U	0.66 U	NA	1
	12DCLB	.11 U	0.33 U	NA	1
	13DCLB	.13 U	0.33 U	NA	1
	14DCLB	.098 U	0.33 U	NA	1
	NAP	.037 U	0.33 U	NA	1
DESERGIO O	1117707	0.0044.77	0.06.11	27.4	
BF570900	111TCE	0.0044 U	0.26 U	NA	1
	11DCE	0.0039 U	0.26 U	NA	1
	12DCE	0.003 U	0.26 U	NA	1
	C2H3CL	0.0062 U	0.26 U	NA	1
	C6H6	0.0015 U	0.26 U	NA	1 1
	CCL4	0.007 U	0.26 U	NA	1
	CHCL3	0.00087 U	0.26 U	NA	1
	CLC6H5	0.00086 U	0.26 U	NA	1
	ETC6H5	0.0017 U	0.26 U	NA 0	1
	MEC6H5	0.003	0.26 U	p	1
	TCLEE	0.00081 U	0.26 U	NA	1
	TRCLE	0.0028 U	0.26 U	NA	1
	XYLEN	0.0015 U	0.52 U	NA	1 1
	12DCLB	.11 U	0.26 U	NA	l I
	13DCLB	.13 U	0.26 U	NA	1
	14DCLB NAP	.098 U	0.26 U	NA	1
	INAX	048	0.26 U	Đ	1
BF570905	111TCE	0.0044 U	0.31 U	NA	,
10703	11DCE	0.0044 U 0.0039 U	0.31 U		1 1
	12DCE	i		NA NA	1
		0.003 U	0.31 U	NA NA	1
	C2H3CL	0.0062 U	0.31 U	NA NA	1
	C6H6	0.0015 U	0.31 U	NA NA	1
1	CCL4	0.007 U	0.31 U	NA NA	1
<u> </u>	CHCL3	0.00087 U	0.31 U	NA NA	1

APPENDIX D-2 TABLE D5-3

SUMMARY OF VOLATILE SPLIT SAMPLE RESULTS 1996 FIELD PROGRAM

FORT DEVENS, MASSACHUSETTS

IELD SAMPLE NUMBER	TARGET COMPOUND	OFF-SITE RESULT µg/g	ON-SITE RESULT µg/g	RPD	CATEGOR
ACIVIDEA	600000000000000000000000000000000000000	0.00086 U	0,31 U	NA	1
	CLC6H5	0.00080 U 0.0017 U	0.31 U	NA	1
	ETC6H5		0.31 U	Ð	1
	MEC6H5	0.0012	0.31 U	NA	1
	TCLEE	0.00081 U		NA NA	·
	TRCLE	0.0028 U	0.31 U		1
	XYLEN	0.0015 U	0.61 U	NA	1
	12DCLB	.11 U	0.31 U	NA	1
	13DCLB	.13 U	0.31 U	NA	1
	14DCLB	.098 U	0.31 U	NA	. 1
· · · · · · · · · · · · · · · · · · ·	NAP	.037 U	0.31 U	NA	1
BF571005	111TCE	.0044 U	0.26 U	NA	1
20,1000	11DCE	.0039 U	0.26 U	NA	1
	12DCE	.003 U	0.26 U	NA	1 1
;	12DCLB	.11 U	0.26 U	NA	1
	13DCLB	.11 U	0.26 U	NA	1
		.098 U	0.26 U	NA	1
	14DCLB		0.26 U	NA NA	1
	C2H3CL	.0062 U	0.26 U	NA NA	1
	С6Н6	.0015 U			
	CCL4	.007 U	0.26 U	NA NA	1
	CHCL3	.00087 U	0.26 U	NA	1
4	CLC6H5	.00086 U	0.26 U	NA	1
4	ETC6H5	.0017 U	0.26 U	NA	l
	MEC6H5	.000 7 8 U	0. 2 6 U	NA	1
	NAP	.037 U	0.26 U	NA	1
	TCLEE	.00081 U	0.26 U	NA	1
	TRCLE	.0028 U	0.26 U	NA	1
	XYLEN	.0015 U	0.39 U	NA_	1
BF571010	111TCE	.0044 U	0,33 U	NA	1
DI 371010	11DCE	.0039 U	0.33 U	NA	1
	12DCE	.003 U	0.33 U	NA	1
	12DCLB	.11 U	0.33 U	NA	i
	14DCLB	.098 U	0.33 U	NA NA	1
	1	.0062 U	0.33 U	NA NA	1
	C2H3CL	i e	0.33 U	NA NA	1
	С6Н6	.0015 U			E .
	CCL4	.007 U	0.33 U	NA NA	1
	CHCL3	.00087 U	0.33 U	NA NA	1
	CLC6H5	.00086 U	0.33 U	NA	1
	ETC6H5	.0017 U	0.33 U	NA	1
•	MEC6H5	.00078 U	0.33 U	NA	1
	NAP	.037 U	0.33 U	NA	1
	TCLEE	.00081 U	0.33 U	NA	1
	TRCLE	.0028 U	0.33 U	NA	1
	XYLEN	.0015 U	0.49 U	NA	1
BF571105	111TCE	.0044 U	0.27 U	NA	1
C011102	1111101		· It	1	1
	11DCE	.0039 U	0.27 U	NA	1

APPENDIX D-2 TABLE D5-3

SUMMARY OF VOLATILE SPLIT SAMPLE RESULTS 1996 FIELD PROGRAM

FORT DEVENS, MASSACHUSETTS

FIELD SAMPLE	TARGET	OFF-SITE RESULT	ON-SITE RESULT	RPD	CATEGORY
NUMBER	COMPOUND	μg/g	hB/B		
	12DCLB	.6 U	0.27 U	NA	1
· 1	13DCLB	.6 U	0.27 U	NA.	1
	14DCLB	.5 U	0.27 U	NA	1
	C2H3CL	.0062 U	0.27 U	NA	1
	C6H6	.0015 U	0.27 U	NA	1
	CCL4	.007 U	0.27 U	NA	1
	CHCL3	.00087 U	0.27 U	NA	1
	CLC6H5	.00086 U	0.27 U	NA	1
	ETC6H5	.0017 U	0.27 U	NA	1
	мес6Н5	.00078 U	0.27 U	NA	1
,	NAP	.2 U	0.27 U	NA	1
	TCLEE	.00081 U	0.27 U	NA	1
	TRCLE	.0028 U	0.27 U	NA	1
	XYLEN	.0028 U	0.27 U	NA NA	1
	AILEN	.0015 0	0.41 0	INA	1
BF571110	111TCE	.0044 U	0.31 U	NA	1
31371110	11DCE	.0039 U	0.31 U	NA NA	I
	12DCE	.003 U	0.31 U	NA NA	1
	12DCLB	.003 U	0.31 U	NA NA	1
	13DCLB	.11 U	0.31 U	NA NA	1
	13DCLB	.13 U	0.31 U	NA NA	1
	14DCLB	.13 U .098 U	0.31 U	NA NA	1
	C2H3CL	.098 U .0062 U		1	1
	C2H3CL C6H6	.0062 U .0015 U	0.31 U	NA NA	1
	1		0.31 U	NA NA	1
	CCL4	.007 U	0.31 U	NA NA	1
	CHCL3	.00087 U	0.31 U	NA NA	1
	CLC6H5	.00086 U	0.31 U	NA NA	1
	ETC6H5	.0017 U	0.31 U	NA	1
	MEC6H5	.0018	0.31 U	Ø NTA	1
	NAP	.037 U	0.31 U	NA	l
	TCLEE	.00081 U	0.31 U	NA	1
	TRCLE	.0028 U	0.31 U	NA	1
	XYLEN	.0015 U	0.62 U	NA	1
77550010	111705	0044.77	0.21 11	274	•
EF572810	111TCE	.0044 U	0.31 U.	NA NA	I
	11DCE	.0039 U	0.31 U	NA NA	1
	12DCE	.003 U	0.31 U	NA	1
	C2H3CL	.0062 U	0.31 U	NA	1
	С6Н6	.0015 U	0.31 U	NA	1
	CCL4	.007 U	0.31 U	NA	1
į	CHCL3	.00087 U	0.31 U	NA	1
	CLC6H5	.00086 U	0.31 U	NA	1
	ETC6H5	.0042	0.31 U	- 0	1
	MEC6H5	.00078 U	0.31 U	NA	1
	TCLEE	.0094	0.31 U	0	1
	TRCLE	.0028 U	0.31 U	NA NA	1
	XYLEN	066	0.62 U	0	1
EF572911	111TCE	.0044 U	0.31 U	NA	1

APPENDIX D-2 TABLE D5-3

SUMMARY OF VOLATILE SPLIT SAMPLE RESULTS 1996 FIELD PROGRAM

FORT DEVENS, MASSACHUSETTS

FIELD SAMPLE	TARGET	OFF-SITE RESULT	ON-SITE RESULT	RPD	CATEGORY
NUMBER	COMPOUND	µg/g	μg/g		
	11DCE	.0039 U	0.31 U	NA	1
	12DCE	.003 U	0.31 U	NA	1
,	C2H3CL	.0062 U	0.31 U	NA	1
	С6Н6	.0015 U	0.31 U	NA	1
	CCL4	.007 U	0.31 U	NA	1
	CHCL3	.00087 U	0.31 U	NA	1
	CLC6H5	.00086 U	0.31 U	NA	1
r	ETC6H5	.0017 U	0.31 U	NA	1
	МЕС6Н5	.00078 U	0.31 U	NA	1
	TCLEE	.00081 U	0.31 U	NA	1
	TRCLE	.0028 U	0.31 U	NA	1
	XYLEN	.0015 U	0.62 U	NA	1
FF7550006	111700	0044.77	0.06.11	D.T.A.	•
EF573006	111TCE	.0044 U	0.26 U	NA NA	1
	11DCE	.0039 Ü	0.26 U	NA NA	1
	12DCE	.003 U	0.26 U	NA NA	1
ļ	C2H3CL	.0062 U	0.26 U	NA NA	
	C6H6	.0015 U	0.26 U	NA	1
	CCL4	.007 U	0.26 U	NA	1
	CHCL3	.00087 U	0.26 U	NA	1
	CLC6H5	.00086 U	0.26 U	NA	1
	ETC6H5	0017 U	0.49	200	1
	MEC6H5	.00078 U	0.26 U	NA	1
	TCLEE	.00081 U	0.26 U	NA	1
	TRCLE	.0028 U	0.26 U	NA 07	1
	XYLEN	.13	3.8	97	1
EF573106	111TCE	.0044 U	0.27 U	NA	1
	11DCE	.0039 U	0.27 U	NA	1
	12DCE	.003 U	0.27 U	NA	1
	12DCLB	.6 U	0.27 U	NA	1
	13DCLB	.6 U	0.27 U	NA	1
	14DCLB	.5 U	0.27 U	NA	. 1
:	C2H3CL	.0062 U	0.27 U	NA	1
	C6H6	.0015 U	0.27 U	NA	1.
	CCL4	.007 Ŭ	0.27 U	NA	1
	CHCL3	.00087 U	0.27 U	NA	1
	CLC6H5	.00086 U	0.27 U	NA	1
	ЕТС6Н5	.0017 U	0.27 U	NA	1
	МЕС6Н5	.00078 U	0.27 U	NA	1
,	NAP	20	0:56	200	1
	TCLEE	.00081 U	0.27 U	NA	1
	TRCLE	.0028 U	0.27 U	NA	1
	XYLEN	.0015 U	0.41 U	NA	1

NOTES:

NA= not applicable J = estimated result

U = non-detect

ATTACHMENT D2-1 1996 FIELD ANALYTICAL PROCEDURES

PROJECT OPERATION PLAN ADDENDUM 1996 FIELD SCREENING METHODOLOGY TARGET VOLATILE ORGANIC COMPOUNDS(VOCS) ESTIMATION OF TOTAL VOLATILE PETROLEUM HYDROCARBONS(TVPH) AND TOTAL EXTRACTABLE PETROLEUM HYDROCARBONS(TEPH)

1.0 Introduction

Field screening procedures for Fort Devens remedial investigations are described in Section 4.6 of the Fort Devens Project Operation Plan (POP) (ABB-ES, 1995). Modifications to some of these field screening procedures have been made for the 1996 field investigations. The purpose of this addendum is to outline modifications to field screening procedures that will be incorporated into the 1996 field program. Field screening gas chromatography (GC) procedures have been developed to provide on-site results for target volatile organics (VOCs) and estimates of total volatile petroleum hydrocarbons (TVPH) and extractable petroleum hydrocarbons (TEPH). The TVPH and TEPH measurements will provide an estimate of total hydrocarbons present in each fraction that are comparable to results generated using analytical methods developed by the Massachusetts Department of Environmental Protection (MADEP), however, TVPH and TEPH will be reported as a total concentration and not broken down into aliphatic and aromatic fractions as outlined in the MADEP methodology (MADEP, 1995). The purpose of the field analyses is to provide quick turnaround of analytical results for real time decision making during the field investigation.

A summary of the field methodologies instrumentation, sample preparation, instrument calibration, target compounds and detection limits, sample quantitation, and analytical quality control analyses are presented below.

2.0 Field Instrumentation and Analytical Methods

Investigations at AOC 50 are driven by the potential presence of fuel hydrocarbons including benzene, toluene, ethylbenzene, and xylene (BTEX), and solvents including tetrachloroethene (PCE) and the de-chlorination degradation products trichloroethene (TCE), cis-1,2-dichloroethene, trans-1,2-dichloroethene, and vinyl chloride in groundwater. Groundwater samples collected at AOC 50 will be analyzed using purge and trap Method 5030A and modified USEPA Method 8021A and modified USEPA Method 8015A (USEPA, 1995). As outlined in Method 8021A, BTEX compounds will be identified and quantified using an electrolytic conductivity detector (ELCD). As outlined in Method 8015, TVPH will be quantified using a Flame ionization detector (FID). Target compounds and reporting limits

for AOC 50 groundwater samples are summarized in Table 1. For target compound analyses, analytical procedures for instrument calibration, sample identification, quality control blank analyses, and sample preparation will be consistent with those outlined in the POP. TVPH procedures are described below in Subsection 2.2.

Investigations at AOCs 61Z and 63BD are driven by the potential presence of fuel hydrocarbons as a result of fuel oil and waste oil products releases to soil. Soil samples collected at AOCs 61Z and 63BD will be analyzed for TVPH and TEPH using modified USEPA Method 8015A for TVPH and TEPH. Soil samples analyzed for TVPH will be prepared using a methanol extraction as outlined in USEPA Method 5030A and the POP. Methanol extracts will be analyzed using purge and trap GC/FID for the TVPH. Soil samples analyzed for TEPH will be prepared using a methylene chloride micro-extraction technique and direct injection by GC/FID. A summary of target compounds and reporting limits for the soil analyses is presented in Table 1.

Laboratory techniques used for sample preparation for the TEPH method, and calibration and sample quantitation procedures for the TVPH and TEPH methods are outlined in the following sections.

2.1 TEPH Sample Preparation:

Sample analysis and preparation techniques have been adapted from protocols outlined in SW-846 3rd ed. USEPA Methods 3550A (USEPA 1995).

<u>Soil Samples.</u> Weigh 2 grams (± 0.1 g) wet soil into a 12 ml screw cap test tube. Spike the sample mixture with appropriate concentration of surrogate solution. For MS/MSD samples the appropriate aliquot of spike solution is added to the sample. Add approximately 2 grams of anhydrous sodium sulfate, Na₂SO₄ (a drying agent) to the sample. With a Teflon spatula thoroughly mix the sample and sodium sulfate (break the sample up to form a uniform free flowing mixture). Add 10 mL of methylene chloride to the sample.

Shake or vortex vigorously for 3 minutes to mix and extract the sample. The field chemist will pay close attention to the sample extraction to ensure that the soil and solvent are actively mixing during the 3 minute extraction. Allow the sample to stand and separate or centrifuge the sample to separate the solvent phase. Withdraw a the extract solvent and transfer the sample extract to a sample vial and cap, sample in now ready for analysis.

<u>Dilutions</u>. If high concentrations of fuels are suspected, then samples should be analyzed prior to concentration, otherwise the extract can be diluted with methylene chloride to bring the target compound concentrations within the instrument calibration range. To dilute the sample, remove a measured quantity of extract and add to an appropriate volume of extraction solvent. The results of diluted samples will be adjusted for by the dilution factor.

2.2 TVPH and TEPH Instrument Calibration

Initial and continuing calibration will be established for TVPH and TEPH. A commercial gasoline standard will be used for TVPH calibration. A commercial Fuel Oil #2 or diesel standard will be used for TEPH calibration. The retention time markers identified in the MADEP methods to determine the retention times of the TVPH and TEPH determination will be used to define the hydrocarbon molecular weight range of the TVPH and TEPH analyses. The hydrocarbon range quantified in the TVPH analysis will extend from 0.1 minutes before the marker compound pentane to 0.1 minute after naphthalene. The TEPH hydrocarbon range quantified will extend from 0.1 minute before naphthalene to 0.1 minute after hexatriacontane. The concentration of hydrocarbons in standards and samples will be determined based on the total baseline to baseline area response of the standards within the designated retention time widows. A three point initial calibration and continuing calibration will be conducted as outlined in the POP. The concentrations of TVPH and TEPH will be added together to determine the total concentration of petroleum hydrocarbons present at a given sample location.

3.0 Quality Control:

Quality control steps outlined below will be conducted during the field analyses including an MDL study for target compounds, initial and continuing calibrations, method blank extraction and analysis with each sample batch, matrix spikes and field duplicate sample analyses, and evaluation of accuracy using a surrogate standard.

holding times: Soil: 14 days

Water: 7 days

- Surrogate %R goal of 50% (<30% re-analysis limit)
- MDL study (Appendix B part 136, CFR 40)
- Initial calibration by linear regression (.95) or average response factor (RSD 25%) with low standard at or near reporting limit
- Continuing calibration each day and after 20 samples (30% difference)
- Extraction blank (method blank) with each extraction batch prepared or daily with each purge and trap analytical sequence
- Matrix spike/Matrix spike duplicates will be prepared by spiking 5 percent of samples with target compounds, a commercial gasoline standard, or a commercial diesel fuel standard, as appropriate for each analysis, at approximately the mid-range of the calibration curve. Percent recoveries (%R) and relative percent difference (RPD) will be used to evaluate the accuracy and precision of measurements and to qualify results. Percent recovery goals: 60% to 140%; RPD < 20</p>
- Field duplicates will be submitted to the field laboratory routinely during the program.

 Relative percent difference of the duplicate results will be used to evaluate the precision

of field measurements and qualify results. RPD goals are 30% for aqueous samples and 50% for soil samples.

4.0 Data Review and Reporting:

The field chemist will review results based on project data quality control goal outlined above. Sample results not meeting data quality control goals will be qualified as outlined below:

Qualification flags for data evaluation

- (J) The J flag is used to indicate estimated data. This can occur when a compound does not meet calibration criteria for initial calibration, continuing calibration, or both.
- (B) The B flag is used when a target compound is detected in an associated method blank. All values within five times of the method blank result are flagged.
- (E) The E flag is used to indicate estimated data. The flag is used when a compound is detected at a concentration that is above the highest calibration standard.
- (S) The S flag is used when the associated surrogate recovery is less than 50%. For soils the surrogate recovery must be greater than 50 percent for results to go unqualified, however, re-analysis will only occur if recoveries are less than 30%.

Matrix spike and field duplicate results will be tabulated and summarized on an ongoing basis during the field program. Results will be used by the field chemist, FOL, and project manager on an ongoing basis to evaluate the usability of results. Associated field sample results presented in the final data reports may be qualified based on the judgment of the field and project chemist.

REFERENCES:

Massachusetts Department of Environmental Protection (MADEP), 1995. "Method for the Determination of Extractable Petroleum Hydrocarbons (TEPH); Division of Environmental Analysis; Office of Research and Standards; Bureau of Waste Site Cleanup; August 1995.

Massachusetts Department of Environmental Protection (MADEP), 1995. "Method for the Determination of Volatile Petroleum Hydrocarbons (TVPH); Division of Environmental Analysis; Office of Research and Standards; Bureau of Waste Site Cleanup; August 1995.

U.S. Environmental Protection Agency (USEPA), 1995. "Test Methods for Evaluating Solid Waste"; Laboratory Manual Physical/Chemical Methods; Office of Solid Waste and Remedial Response; Washington, DC; SW-846; November 1986; Revised January 1995.

ATTACHMENT D-1 TABLE 1

SUMMARY OF TARGET COMPOUNDS AND REPORTING LIMITS 1996 FIELD SCREENING PROGRAM FORT DEVENS REMEDIAL INVESTIGATION

TARGET ANALYTE	Soil μg/g	Water µg/L
Benzene	0.25	2
Toluene	0.25	2
Ethylbenzene	0.25	4
m/p-xylene	0.5	2.
o-xylene	0.25	2
Tetrachloroethene	0.25	2
Trichloroethene	0.25	2
cis-1,2-dichloroethene	0.25	2
trans-1,2-dichloroethene	0.25	2
Vinyl chloride	0.25	2
1,2-dichlorobenzene*	0.25	2
1,3-dichlorobenzene*	0.25	2
1,4-dichlorobenzene*	0.25	2
Naphthalene*	0.25	2
TVPH	6.25	50
TEPH	100	NA
TPH-IR	50	NA

Notes:

NA = soil not analyzed $\mu g/g = microgram$ per gram $\mu g/L = microgram$ per liter

^{*} Added to target list part way through field program

1996 OFF-SITE LABORATORY DATA

Harding Lawson Associates

C:\FDRITABL\57\APPCOVER

D.1.0 INTRODUCTION

This Data Quality Report (DQR) provides a detailed data quality assessment for off-site analytical data generated during site investigations conducted at Fort Devens during the fall of 1996 at Areas of Concern (AOCs) 57 and 69W.

Samples collected during the investigation were submitted to Environmental Science and Engineering (ESE), Gainseville, Florida. All laboratory data generated during the sampling programs were reviewed in terms of Data Quality Objectives (DQOs) established in the Fort Devens Project Operations Plan (POP) (ABB-ES, 1995), published analytical methods (USEPA, 1990; USEPA 1994) or applicable USEPA data validation guidelines (USEPA, 1988; USEPA 1989). DQOs refer to a set of qualitative and quantitative statements that assess the data generated during the sampling and analysis phases of the project. The DQOS are defined by the parameters of precision, accuracy, representativeness, completeness, and comparability (PARCC). These parameters present an indication of the data quality, and the confidence that a particular compound may be present or absent in an associated environmental sample. This report describes the analytical methods performed at the on-site and off-site laboratories, and presents an assessment of data quality and usability for samples collected during the fall 1996 field investigation.

D.1.1 OFF-SITE LABORATORY ANALYTICAL METHODS

Subsurface soil and groundwater samples were collected during the 1996 Fort Devens Site Investigation. Samples were analyzed for chemical parameters on the Fort Devens Project Analyte List (PAL). The analytical methodologies performed include PAL inorganics, PAL volatile organic compounds (VOCs), PAL semivolatile organic compounds (SVOCs), PAL pesticides and polychlorinated biphenyls (PCBs). In addition samples were analyzed for total petroleum hydrocarbons (TPHC), and several water quality parameters including hardness, nitrate and nitrite-nitrogen, kjeldahl-nitrogen, total phosphate, total organic carbon (TOC), total dissolved solids (TDS) and total suspended solids (TSS). The analyses performed are summarized on Table D-1.

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Appendix-D W0029712.080 The USEPA has identified two general levels of analytical data quality, Screening with Definitive Confirmation and Definitive Data (USEPA, 1993). All off-site laboratory data are considered Definitive Data.

The contract laboratory which completed analyses of all off-site analytical samples was Environmental Science and Engineering (ESE), Gainesville, Florida. Analyses were completed implementing the 1990 U.S. Army Toxic and Hazardous Materials Agency (USATHAMA) QA Program (USATHAMA, 1990). Method performance demonstration, data management, and oversight for USATHAMA analytical procedures are currently performed by the U.S. Army Environmental Center (USAEC). A discussion of AEC-certified methods used by ESE Laboratories for samples collected at Fort Devens is provided in Section 7.0 of the Fort Devens POP (ABB-ES, 1995), and methods are listed in Table D-1. This table includes a description of the methods used as well equivalent EPA methods, where they exist. The USAEC method numbers (i.e., method JS16) are specific to the project and to the particular laboratory performing the analyses. For some analyses standard USEPA methods are used. The methods are also indicated in Table D-1.

A detailed discussion of the USAEC laboratory QA program is presented in Section 3.0 of this RI. The laboratory must document proficiency using each of the methods by meeting strict USAEC performance protocols. Once the laboratory has demonstrated this proficiency, they become certified to perform that particular method. It is through this certification process that certified reporting limits (CRLs) are established. CRLs for USAEC methods and reporting limits (RLs) for standard USEPA methods are presented in Table D-1 and in Appendix B of the Fort Devens POP (ABB-ES, 1995).

Samples collected from AOC 612 and 69W were also analyzed for petroleum hydrocarbon analysis using methods developed by the Massachusetts Department of Environmental Protection (MADEP, 1995a; MADEP, 1995b) for volatile petroleum hydrocarbons (VPH) and Extractable Petroleum Hydrocarbons (EPH). Results of these analyses were used to provide more detail on the chemical composition of hydrocarbons present. Analyses were performed by Groundwater Analytical, Inc., Buzzards Bay. A summary of the data quality review of VPH and EPH results is presented in Attachment D-1.

D.2.0 OFF-SITE LABORATORY QUALITY CONTROL BLANK RESULTS

A review was completed on QC blanks including method blanks, rinse blanks and trip blanks analyzed at the off-site laboratory. Blank samples provide a measure of contamination that may have been introduced into a sample set either (1) in the field while samples were being collected or transported to the laboratory, or (2) in the laboratory during sample preparation and analysis. This discussion is intended to provide an evaluation of data generated at this laboratory based on method blank and field quality control data.

D.2.1 METHOD BLANKS

Method blanks were analyzed at the laboratory with each lot of samples to evaluate if sample processing and analysis resulted in sample contamination. Method blanks were performed for both water and soil samples for the following chemical classes: inorganics, VOCs, SVOCs, pesticides/PCBs. Method blanks were also analyzed using USEPA methods for hardness, TOC, TPHC, TDS, and TSS. All method blank data from the AOC 57 and 69W Fort Devens Site Investigation conducted in the fall of 1996 are presented in Table D-2.

D.2.1.1 Inorganics

Seven aqueous method blanks (one for each IRDMIS inorganic method) were analyzed by the laboratory for PAL inorganics during the 1996 Field Investigation. All results for aqueous method blanks were below the respective CRLs indicating there was no inorganic contamination introduced at the laboratory.

One soil method blank, representing one for each IRDMIS inorganic method, was analyzed in association with field samples from the 1996 Fort Devens Investigation. Several elements were detected in soil method blanks. The frequency and concentration ranges of elements detected in these blanks are summarized in Table D-3. Results for mercury, selenium, arsenic thallium, antimony, silver, beryllium, cadmium, chromium, cobalt, sodium, molybdenum, nickel, vanadium, and zinc were below the CRLs.

Soil method blank analyses were conducted using a USAEC approved soil as the matrix. The concentrations of the detected inorganics are due to background

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levels inherent in this soil. As a result, elements reported for soil method blanks are not interpreted to represent laboratory introduced contamination.

Based on soil and aqueous method blank results, significant inorganic contamination was not introduced during laboratory handling and analysis.

D.2.1.2 VOCs

Method blanks were run with each lot of water and soil samples to determine if VOCs were introduced during laboratory handling and analysis. Three aqueous method blanks were analyzed during the 1996 Field Investigation. All aqueous results for target VOCs were below CRLs. Three soil method blanks were analyzed for VOCs during the 1996 Field Investigation. All method blank results were at concentrations below the CRLs with the exception of acetone, methylene chloride, and trifluorochloromethane. The concentration and frequency of detection for these compounds are shown in Table D-4.

Acetone, methylene chloride, and trichlorofluoromethane, a tentatively identified compound (TIC), are considered common laboratory contaminants (USEPA, 1988) and were likely introduced during laboratory handling. These results indicate that low concentrations of acetone, methylene chloride, and triflorochloromethane may have been introduced during laboratory handling. Field samples with similar concentrations of these compounds may not be representative of site conditions.

D.2.1.3 SVOCs

Two aqueous method blanks were analyzed for SVOC contamination during the 1996 Field Investigation. All method blank results were at concentrations below the CRLs.

Three method blanks for soil were analyzed for SVOC contamination during the 1996 Field Investigation. The concentrations and frequency for compounds detected in soil method blanks are outlined in Table D-5. All target SVOC results for soil method blanks were at concentrations below CRLs. Dioctyl adipate (hexanedoic acid dioctyl ester) and heptacosane, which are non-target SVOCs or TICs, were detected in soil method blanks.

D.2.1.4 Pesticide/PCB

Two aqueous method blanks and two soil method blanks were used to determine if pesticides and PCB compounds were introduced during laboratory preparation and handling. All PCB method blank results were at concentrations below CRL values indicating no sample contamination occurred. The pesticide malathion was detected in water method blanks and the pesticides alpha-chlordane and gamma-chlordane were detected in soil method blanks. The concentration and frequency of detection of these pesticides in water and soil method blanks are shown in Tables D-6 and D-7, respectively. Samples with similar concentrations of these compounds in the media in which they were detected may not be representative of site conditions.

D.2.1.5 TPHC

Several analytical methods were used to measure and characterize petroleum hydrocarbons. During the 1996 Field Investigation, two water method blanks were analyzed for total petroleum hydrocarbons (TPHC) by USEPA Method 418.1; two soil method blanks were analyzed for TPHC as diesel, gasoline and aviation gasoline by USEPA Method 8015; and three soil method blanks were analyzed for TPHC using USEPA Method 9071. All method blank results from the 1996 Field Investigation were below the corresponding CRLs. Based on method blank results, the off-site laboratory is not a significant source of TPHC contamination for the Fort Devens field samples.

D.2.1.6 USEPA Methods for Water Quality Parameters

Method blanks were analyzed in association with USEPA methods for the following water quality parameters: nitrate and nitrite-nitrogen, kjeldahl-nitrogen, total phosphate, hardness, TOC, TDS, and TSS. No positive detections above RLs were reported in any of the above methods.

Based on method blanks results for samples analyzed by USEPA methods, the data collected during the Fort Devens Site Investigation was not impacted by laboratory contamination.

D.2.2 FIELD QUALITY CONTROL BLANKS

Field quality control samples which were analyzed at the off-site laboratory include, rinse blanks, and trip blanks. Results from analyses of the field quality control blanks were used to evaluate the potential for contamination of samples during collection, and shipment and processing at the off-site laboratory.

D.2.2.1 Rinse Blanks

Rinse blanks were used to evaluate the potential for field sampling contamination of site samples. Rinse blanks were collected by pouring deionized water over sampling equipment and into sample containers. The rinse blanks collected during the 1996 Fort Devens Investigation were analyzed for the following chemical classes: PAL inorganics, SVOCs, and PCBs. Rinse blanks were also analyzed by USEPA methods for TOC and TPHC. All rinse blank data collected during the 1996 investigation have been tabulated and are presented in Table D-8.

<u>Inorganics</u>. One rinse blank was analyzed for a subset of PAL elements analyzed by graphite furnace (mercury, thallium, lead, selenium, arsenic, and antimony) during the 1996 Field Investigation. These elements were not detected at concentrations above the CRLs. Rinse blank data for PAL elements analyzed by ICP were not reported. In general, the rinse blank data indicate that decontamination procedures were effective in the removal of residual inorganic contamination from the sampling equipment.

SVOCs. One rinse blank was collected during the 1996 Field Investigation and analyzed for SVOC contamination. With the exception of bis(2-ethylhexyl) phthalate detected at 12 μ g/L, all results for target SVOCs were at concentrations below CRLs. The USEPA Region I considers phthalates as common laboratory contaminants (USEPA, 1988), however, phthalates were not detected in the method blanks collected during this investigation. The presence of phthalates in rinse blanks may be attributed to sampling activities. Detection of bis(2-ethylhexyl)phthalate in Fort Devens field samples at concentrations similar to those detected in rinse blanks may be related to field sampling or decontamination procedures.

<u>Pesticides/PCBs</u>. One rinse blank was analyzed for PCBs during the 1996 Field Investigation. All results reported for PCBs in rinse blanks were below CRLs.

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Appendix-D W0029712.080 The lack of PCBs detected in rinse blanks indicates there is no evidence of cross contamination during field sampling. Rinse blank samples were not submitted for pesticide analysis during this investigation.

<u>USEPA Methods</u>. During the 1996 Field Investigation, one rinse blank was analyzed for TOC and all results were at concentrations below the reporting limit of 1000 μ g/L. Six rinse blanks were analyzed for TPHC. Concentrations of TPHC in the rinse blank was below the reporting limit of 181 μ g/L, as well as TPH as gasoline and diesel (reporting limit of 340 μ g/L). These data indicate contamination of TOC and TPHC during field sampling did not occur.

D.2.2.2 Trip Blanks

Trip blanks are analyzed to assess the potential for cross contamination of VOCs during sampling, transit, and storage. The trip blank consists of a VOA sample container filled at the contract laboratory with DI/carbon filtered water and shipped to the site with the other VOA sample containers. Trip blanks were included with each shipping container of field VOC samples. No VOCs were detected in three trip blanks indicating cross contamination of VOCs during shipment or handling did not occur. Trip blank data collected during the 1996 investigation are presented in Table D-9.

D.3.0 ACCURACY OF OFF-SITE LABORATORY DATA

Accuracy is a quantitative parameter that determines the nearness of a result to its true value. Accuracy measures the bias in a measurement system. The accuracy of each analytical method was evaluated based on percent recoveries for matrix spikes and/or surrogate standards.

A matrix spike is a sample of a particular matrix to which predetermined quantities of standard solutions of certain target analytes were added prior to sample extraction/digestion and analysis. Samples were spilt into replicates, one replicate was spiked and both aliquots were analyzed.

Accuracy was also evaluated using the recovery of surrogate standards in the volatile and semivolatile analyses, and for pesticides and PCBs. Surrogate standards are organic compounds which are similar to the analytes of interest in chemical composition, extraction, and chromatography, but which are not normally found in environmental samples. These compounds are spiked into all samples prior to analysis.

Percent recovery of matrix spikes and surrogate spikes provide an indication of data accuracy and potential data bias from matrix related effects. Percent recovery was calculated using the equation shown in Section 3.3 of the Fort Devens POP (ABB-ES, 1995).

D.3.1 MATRIX SPIKES

Soil and groundwater samples were used for matrix spike and matrix spike duplicate analyses. Spiked samples were analyzed for hardness, nitrate and nitrite-nitrogen, kjeldahl-nitrogen, total phosphate, TPHC, TOC, PAL inorganics, and PAL pesticide/PCBs. Matrix spike and matrix spike duplicate (MS/MSD) samples were collected at a rate of one per twenty environmental samples. A summary of all MS/MSD data collected during the Fort Devens Site Investigations are presented in Table D-10.

The spike data for samples of a specific matrix and analytical method were evaluated together, and are discussed below as one data set. The data have been

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segregated by method and by analytical parameter to show recovery trends of the individual spiked analytes. In the tables, matrix spikes have been paired with the corresponding matrix spike duplicates to make recovery and RPD comparisons. The average recoveries, and maximum and minimum recoveries for groundwater samples and soil are presented to measure trends for each particular method. The criteria used for interpreting MS/MSD data are taken from analytical USEPA CLP protocols (USEPA, 1990; USEPA, 1994) and the Fort Devens Project Operations Plan (ABB-ES, 1995).

D.3.1.1 Inorganics

Matrix spike analysis was completed all PAL elements. The USEPA CLP guidelines specify control limits for recoveries of inorganic MS/MSDs of 75% and 125% (USEPA, 1990). The majority of PAL elements had recoveries within the USEPA control limits. A subset set of elements had recoveries outside these limits. Elements with at least one MS/MSD recovery outside USEPA CLP limits are presented in Table D-11.

Groundwater. The following groundwater samples from AOC 57 were spiked with target elements: MX5703X3 and MX5710X1. All elements had recoveries within the USEPA CLP limits indicating that groundwater data for inorganics was not significantly influenced by matrix effects.

Soil. One soil MS/MSD sample from AOC 57 (BX570905) was analyzed for PAL inorganics. For the elements aluminum and iron, all matrix spike concentrations were low relative to concentrations already present in the sample. For example, the spike concentration for aluminum was approximately 230 μ g/g compared with the sample concentration of 5610 μ g/g. The spike concentration for iron was approximately 1,200 μ g/g while the sample concentration was 6410 μ g/g. The USEPA Region I Data Validation Guidelines (USEPA, 1989) specify spike concentrations be greater than four times the sample concentration for data qualification actions to apply. Since the spike concentrations for aluminum and iron were insignificant relative to sample concentrations, matrix spike recoveries could not be accurately assessed. Based on these results, results for aluminum and iron in soil are not qualified in this RI.

For the elements mercury, arsenic, and manganese the MS/MSD recoveries were below the acceptable USEPA CLP recovery ranges. The frequency at which the

MS/MSD recoveries were outside the USEPA CLP limits, and the corresponding recovery ranges are shown in Table D-11. The outlier recoveries ranged from 52.7% to 74.7%. Outlier recoveries may have been obtained as the result of non-homogeneous concentrations throughout the sample matrices or from matrix interference. Overall, usable results were obtained for all PAL inorganics. The MS/MSD data for soil suggests that there may be some matrix interference in soil samples with detected concentrations of mercury, arsenic, and manganese. Results for mercury, arsenic, and manganese in soil samples should be considered estimated and may be biased low.

D.3.1.2 Pesticides/PCBs

Pesticide and PCB compounds were spiked into groundwater samples to evaluate method accuracy. Ten target pesticide and two PCB compounds were used for spiking including endosulfan I, endosulfan II, aldrin, dieldrin, endrin, heptachlor, isodrin, lindane, methoxychlor, 4,4'-DDT, aroclor 1016, and aroclor 1260. Percent recoveries for pesticides were compared to the USEPA CLP control limits (USEPA, 1994) to determine if results were acceptable. The USEPA CLP guidelines do not specify limits for spike recoveries of endosulfan I, endosulfan II, isodrin, methoxychlor, and PCBs. For these compounds, the surrogate recovery control limits of 30% to 150% specified in the USEPA CLP Guidelines (USEPA, 1994) were used as guidance in evaluating spike recoveries.

Groundwater. One groundwater sample from AOC 57 (MX5703X3) was spiked with target pesticides and PCBs. The spike recoveries of pesticides and PCBs were within USEPA limits with the exception of lindane. The percent recoveries for lindane were 37% and 36%, below the USEPA control limit of 46%. Lindane was not detected in any groundwater samples. Based on these data, lindane reporting limits for groundwater samples collected during this RI may be biased low. Acceptable recoveries for all other pesticide and PCBs indicate there was no matrix effects and the data is acceptable.

D.3.1.3 USEPA Methods

Matrix spike recoveries for water quality parameter analyzed by USEPA methods were evaluated for groundwater. The matrix recoveries for soil were also evaluated for TOC, TPH as gasoline and diesel, and TPHC.

For water quality parameters of hardness, nitrate and nitrite-nitrogen, kjeldahl-nitrogen, and total phosphate, the USEPA CLP control limits for inorganic spikes (75% - 125% recovery) were used for guidance. Professional judgement was used when evaluating the organic parameters TOC and TPHC. The MS/MSD recoveries for these parameters were evaluated on a sample by sample basis and are discussed below.

Groundwater. One groundwater sample from AOC 57 (MX5703X3) was spiked for hardness, nitrogen and phosphate for matrix evaluation. Spike sample recoveries for total phosphate, nitrate and nitrite-nitrogen, and kjeldahl-nitrogen were within the established control limits indicating good accuracy.

According to the data downloaded from IRDMIS, percent recoveries for hardness reported for Lot ZKGN exceeded the control limits. However, the high recoveries are believed to be erroneous due to a unit conversion error samples in this lot. Corrective action for this discrepancy is currently ongoing. Qualification groundwater data based on spike recoveries was not conducted.

<u>Soil</u>. Two MS/MSD soil samples (EX573106 and BX570905) from AOC 57 were spiked and analyzed for matrix effects on concentrations of TPH as diesel and gasoline by USEPA Method 8015. The spike recovery range for these samples was 69.7% to 134.2%. Based on these results, recoveries are within an acceptable range for TPHC data analyzed by USEPA Method 8015.

A total of three spiked soil sample pairs were analyzed for TPHC by USEPA Method 9071. These samples included two soil samples from AOC 57 (EX573106 and BX570905) and one from AOC 69W (BXZW0310). Spike recoveries ranged from 95.4% to 100.1% with the exception the MS recovery in AOC 57 soil sample EX573106. The MS and MSD recoveries reported for this sample were 2.5% and 4.0%, respectively. The low spike recovery reported in sample EX573106 is attributed to sample heterogeneity between the spike and unspiked samples and no site wide qualification of TPHC results was done. TPHC results in sample EX573106, are considered estimated and biased low. Sample EX573106 had $18,300 \mu g/g$ of TPHC reported in the original sample.

One soil sample (BX570914) from AOC 57 was spiked for TOC analysis. The recovery of this spiked sample was 92.2% and 107.6% in the MS and MSD fractions, respectively, indicating acceptable method performance.

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D.3.2 SURROGATE RECOVERIES

In addition to matrix spikes, the recovery of surrogate standards were also used to assess matrix effects and accuracy of the analytical data. Surrogate standards were used for VOC, SVOC, pesticide and PCB analyses and were added to all soil and groundwater samples prior to analysis.

D.3.2.1 SVOC

The SVOC surrogate standards used to evaluate matrix effects and analytical accuracy included 2-fluorophenol, phenol-D6, 2,4,6-tribromophenol, nitrobenzene-D5, 2-fluorobiphenyl, and terphenyl-D14. Recovery criteria for these surrogates, are taken from analytical USEPA CLP protocols (USEPA, 1994) and the Fort Devens Project Operations Plan (ABB-ES, 1995) and are presented Table D-12. All SVOC surrogate recovery data for the 1996 Fort Devens Site Investigations are presented in Table D-13.

Interpretations on data usability were based on guidance outlined in the USEPA Region I Functional Guidelines for Data Validation (USEPA, 1988). According to this guidance SVOA sample results are judged based on independent evaluations of surrogate recoveries for acid fraction compounds and base-neutral compounds. Each fraction has three surrogates. The acid fraction surrogates include 2-flourophenol, phenol-D6, and 2,4,6-tribromophenol. The base-neutral surrogate standards include nitrobenzene-D5, 2-flourobiphenyl, and terphenyl-D14. SVOA positive results are considered estimated values if two or more surrogates in either the acid or base-neutral fraction are outside the recovery limits. Positive results are considered estimated values and negative (non-detect) results are considered as unusable (rejected) if any surrogate is less than ten percent recovery for the associated fraction.

All SVOA samples were evaluated using the criteria outlined above. Sample results were identified as usable, estimated, or rejected based on the USEPA Region I Guidelines. Data bias was identified if trends in surrogate recoveries for individual samples indicated low or high bias.

Groundwater. All SVOC results for groundwater samples meet the USEPA surrogate standard recovery guidelines and are considered acceptable. Qualification of the groundwater data was not required.

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Appendix-D W0029712.080 <u>Soil</u>. Four soil samples had recoveries of surrogate standards outside the USEPA CLP guidelines shown in Table D-12. However, qualification of data was not required because there was only one surrogate outlier from either acid or baseneutral fractions. All SVOC results for soil samples are considered acceptable based on surrogate standard recoveries.

D.3.2.2 VOCs

All VOC surrogate recovery data for the Fort Devens Site Investigations are presented in Table D-14. Surrogate standards used for volatile organics include 1,2-dichloroethane-D4, 4-bromoflourobenzene, and toluene-D8. The criteria used for interpreting surrogate data are taken from analytical USEPA CLP protocols (USEPA, 1994) and the Fort Devens Project Operations Plan (ABB-ES, 1995) and are presented in Table D-15. Interpretations on data usability were based on guidance outlined in the USEPA Region I Functional Guidelines for Data Validation (USEPA, 1988). According to the guidelines, positive results are considered estimated values if one or more surrogate standard per sample is outside the recovery limits. If any surrogate standard is recovered at less than ten percent, positive results are considered estimated values and non-detect results are rejected and considered unusable.

All VOC samples were evaluated using the criteria outlined above. Sample results were identified as usable, estimated, or rejected based on the USEPA Region I Guidelines. Data bias was identified if trends in surrogate recoveries for individual samples indicated low or high bias.

VOC soil and groundwater surrogate recovery data indicate the overall accuracy of the GC/MS method used for VOC analyses was acceptable.

Groundwater. The surrogate recoveries for groundwater samples at AOCs 57 and 69W were evaluated for matrix effects and accuracy of the analytical data. All groundwater had surrogate recoveries within the USEPA CLP criteria indicating acceptable method performance. Qualification of groundwater data was not required.

<u>Soil</u>. The recovery of surrogate standard 1,2-Dichloroethane-D4 in soil sample BX571010 from AOC 57 exceed the upper control limit. The surrogate recovery was 126%. Detected concentrations of VOCs in this sample would be qualified as

estimated and potentially biased high based; however, no VOC were detected in this sample.

The recovery of surrogate standard 4-bromoflourobenzene in soil samples EX572810 and EX573006 from AOC 57 exceeded the upper control limit. The recoveries were 176% and 182%, respectively, compared to the upper control limit of 121%. Positive results for 2-hexanone, ethylbenzene, tetrachloroethene, and xylenes in sample EX572810 and 2-hexanone and xylenes in sample EX573006 are judged as estimated and biased high based on elevated surrogate recoveries.

D.3.2.3 Pesticide/PCBs

All pesticide surrogate recovery data for the Fort Devens Site Investigations are presented in Table D-16. Surrogate standards used for pesticide and PCB analyses include tetrachlorometaxylene and decachlorobiphenyl. The surrogate recovery control limits of 30% to 150% specified in the USEPA CLP Guidelines (USEPA, 1994) were used as guidance in evaluating surrogate spike recoveries in soil and groundwater samples.

Interpretations on data usability were based on guidance outlined in the USEPA Region I Functional Guidelines for Data Validation (USEPA, 1988). According to the guidelines, professional judgement should be used do determine if recoveries reported below or above the control limits require qualification. All Pesticide and PCB sample data were evaluated using this criteria. Sample results were identified as usable, estimated, or rejected based on the USEPA Region I Guidelines.

<u>Groundwater</u>. The pesticide and PCB surrogate recoveries for groundwater samples at AOCs 57 and 69W were evaluated for matrix effects and accuracy of the analytical data. All surrogate recoveries for tetrachlorometaxylene were within the USEPA CLP control limits and are considered acceptable.

Several groundwater samples had recoveries of decachlorobiphenyl below the USEPA control limits. The outlier recoveries for this surrogate standard ranged from 13.9% to 18.4% for the PCB method and 14.6% to 28.6% in the pesticide method. Low recoveries for decachlorobiphenyl were reported for the following AOC 57 samples: MD5711X1, MX5711X1, MX5712X1 from the PCB fractions

and; MX5713X1, MX5703X3 from the pesticide fraction. Reporting limits and detected concentrations results for pesticides and PCBs in these samples would be qualified as estimated and potentially biased low based on low surrogate recoveries. Pesticides and PCBs were not detected in these soil samples, and reporting limits are considered estimated.

<u>Soil</u>. All surrogate recoveries reported for the pesticide method in soil samples were within the USEPA CLP control limits and are considered acceptable. Outlier RPDs for both surrogate standards, tetrachlorometaxylene and decachlorobiphenyl, were reported for the PCB method for AOC 57 soil samples.

Samples with decachlorobiphenyl recoveries below the control limit included AOC 57 samples EX572810, EX573006, and EX573106. The surrogate recoveries in these samples were 15%, 15%, and 19.6%, respectively. Based on these results, Aroclor 1242 and Aroclor 1248 in these three samples and Aroclor 1260 in sample EX572810 are considered estimated and potentially biased-low values.

Soil samples BX570805, BX570905, BX570800, BX570805, and had high surrogate recoveries of decachlorobiphenyl. The recoveries for these samples ranged from 157.4% to 182.9%. Based on these results, Aroclor 1242 and Aroclor 1248 in these four soil samples are considered estimated and potentially biased-high values.

All other soil samples had surrogate recoveries within the USEPA CLP guidelines and are considered acceptable.

D.4.0 PRECISION

Precision is a measure of the reproducibility of the analytical results under a given set of conditions. It is a quantitative measure of the variability of a group of measurements compared to their average value. Precision is measured as the relative percent difference (RPD) between a sample and its duplicate, as is calculated for field duplicate samples, and matrix spike/matrix spike duplicate samples. The following equation is used to calculate the RPD.

$$RPD = 100 \ X \ \frac{D_1 - D_2}{0.5(D_1 + D_2)}$$

 D_1 and D_2 are the reported concentrations for sample duplicate analyses.

When evaluating precision for organic analyses, the RPDs of the field duplicates are compared to the acceptance criteria of 50% RPD for soil matrices and 30% RPD for water matrices (USEPA, 1988). In cases where one organic result is non-detect, the CRL value was used to calculate the RPD. The acceptance criteria for inorganic analysis for field duplicate samples only applies to analytes that are greater than 5 times the CRL (USEPA, 1989).

Precision is also evaluated by comparison of MS and MSD results. The USEPA CLP control limits were used to evaluate duplicate precision between MS and MSDs. In cases where USEPA CLP control limits for spikes are not available, such as inorganics and various USEPA analytical methods, the control limits for field duplicates listed above were used as guidance.

A discussion of the RPDs for field duplicates is presented below in Section D.4.1, and the RPDs for MS/MSDs are presented in Section D.4.2.

D.4.1 OFF-SITE LABORATORY FIELD DUPLICATE RESULTS

Field duplicate samples from AOCS 57 and 69W at Fort Devens were collected to measure the sampling and analytical precision for the analyses performed at the off-site laboratory. Soil and groundwater duplicate samples were analyzed for the

following Fort Devens PAL analytes: inorganics; VOCs; SVOCs; pesticide and PCBs, and TPH. Groundwater field duplicate samples were also analyzed for various water quality parameters including hardness, phosphate and nitrogen and soil duplicate samples were analyzed for TOC and TPHC.

All field duplicate data collected during the 1996 Fort Devens Site Investigation is shown in Table D-18. The RPD has been calculated for each pair of field duplicates.

D.4.1.1 Inorganics

An analysis of the precision of the inorganic duplicate data was completed for each PAL element.

Groundwater. One sample duplicate pair (MX5711X1 and MD5711X1) from AOC 57 was collected. The RPDs of inorganic concentrations for duplicates ranged from 1.5% to 21.6% indicating excellent sampling and analytical precision. All field sample duplicate RPDs were within the USEPA Region I limits.

<u>Soil</u>. One sample duplicate pair from AOC 57 was collected. Calcium was the only element for which the duplicate RPD (78.5%) exceeded the USEPA Region I control limit of 50% RPD. In general, the RPDs between field duplicates indicated good precision. Soil sample data for inorganic elements was considered acceptable based on duplicate precision results.

D.4.1.2 VOCs

Groundwater. One groundwater sample field-duplicate from AOC 57 was collected. Detected target compounds included 1,2-DCE, ethylbenzene, toluene, trichloroethene, and tetrachloroethene. The RPDs ranged from 0% to 18.4% and were well within the USEPA Region I guidelines (30%). The duplicate data for VOCs indicate good precision of the aqueous VOC concentrations.

<u>Soil</u>. One sample duplicate pair from AOC 57 was collected. With the exception of methylene chloride and 1,1,2-trichloro-1,2,2-trifluoroethane, there were no target VOCs detected in groundwater sample duplicates. The RPDs for all VOC results were below the USEPA Region I limit (50%) with the exception of methylene chloride at 79.1% RPD. However, methylene chloride is considered a

common laboratory contaminant so it's presence in these samples may not be site related. No qualification of the precision of results was performed.

D.4.1.3 SVOCs

Groundwater. The RPD for duplicates for one groundwater sample pair from AOC 57 was evaluated. Most target SVOCs concentrations were reported as non-detect in both the sample and sample duplicate, resulting in acceptable agreement between results. Target SVOCs detected include 1,2,3-trimethylbenzene, 1,2-dichlorobenzene, 1-ethyl-4-methylbenzene, naphthalene, and bis(2-ethylhexyl)phthalate. RPDs for 1,2-dichlorobenzene, 1-ethyl-4-methylbenzene, and naphthalene were within limits ranging from 10.5 to 27.6. The sample duplicate RPD for 1,2,3-trimethylbenzene in samples MX5711X1 and MD5711X1 was 46.2%, exceeding the precision control limit of 30%. The concentration of 1,2,3-trimethylbenzene in sample MX5711X1 is considered an estimated value. The outlier RPD for bis(2-ethylhexyl)phthalate is not considered significant because this compound is a considered a potential laboratory contaminant.

<u>Soil</u>. The RPDs of SVOC concentrations for one duplicate soil sample from AOC 57 was evaluated. The samples evaluated were BX571110 and duplicate sample BD571110. There were no target SVOCs detected in either soil sample indicating excellent agreement for non-detected target compounds.

D.4.1.4 Pesticide/PCBs

<u>Groundwater</u>. One groundwater field duplicate was collected from AOC 57. The samples evaluated were MX5711X1 and duplicate sample MD5711X1. All results were reported as non-detect indicating excellent agreement for non-detected target compounds.

<u>Soil</u>. One field duplicate soil sample was collected from AOC 57 for pesticides and PCBs. The samples evaluated were BX571110 and duplicate sample BD571110. All results were reported as non-detect indicating excellent agreement for non-detected target compounds.

D.4.1.5 Other Methods

An evaluation of duplicate results for various water quality parameters obtained using non-USAEC performance demonstrated methods was conducted. Duplicate soil samples were analyzed for TOC and TPHC. A discussion of precision between sample duplicates analyzed for these parameters is presented below.

Groundwater. Two groundwater duplicate samples, representing one sample from each AOC were evaluated. The RPD reported for hardness for groundwater sample MX5711X1 and the sample duplicate MD5711X1 from AOC 57 was 34.2%, just above the USEPA Region I control limit of 30%. However, the RPDs for the other groundwater duplicate pair was 3.1% indicating excellent precision. As discussed in Section D.3.1.3, the data downloaded from IRDMIS shows hardness concentrations for samples in Lot ZKGN that are believed to be erroneous due to a unit conversion error. Corrective action for this discrepancy is currently ongoing.

Additional parameters evaluated for precision in groundwater include TSS, TPHC, total phosphate, nitrate and nitrite-nitrogen, and nitrogen by the kjeldahl method. With the exception of TSS data, all results had RPDs within control limits demonstrating consistency for the method and matrix. The RPD for TSS in groundwater sample MDZW19X1 and the sample duplicate MXZW19X1 from AOC 69W was 66.7%. Concentrations of TSS were only slightly greater than the RLs, and no qualification of data usability was done. The RPD for the other groundwater duplicate pair was 3.9%, indicating acceptable precision.

<u>Soil</u>. Soil sample duplicate pairs BX571110 and BD571110 from AOC 57, and samples BXZW0306 and BDZW0306 from AOC 69W were evaluated for precision of TPHC (Method 9071) data. The TPHC results for the soil sample and duplicate pair from AOC 57 were 35.4 μ g/g and a non-detect value of less than 27.8 μ g/g. Similarly, the TPHC results in the AOC 69W sample duplicate pair were 57.5 μ g/g and less than 20.9 μ g/g. Variability of results found in this soil sample duplicate pair may be attributed to sample heterogeneity. These results indicate variability of TPHC at concentrations at or near the reporting limits, and that TPHC results in soil should be considered estimated.

D.4.2 OFF-SITE LABORATORY SPIKE DUPLICATE RESULTS

All spike duplicate data and the corresponding RPDs for the 1996 Fort Devens Site Investigation are presented in Table D-10. The RPDs for spike duplicates were calculated for hardness, TPHC, TOC, inorganics, and pesticide/PCBs. The results were compared to the USEPA CLP control limits (USEPA, 1988) to determine if results were acceptable. Samples with RPDs for spike samples outside control limits are discussed below. For most fractions which exhibited RPDs outside the established QC limits, qualification of the data was not required.

D.4.2.1 Inorganics

Elements were spiked into groundwater, surface water, soil and sediment samples to evaluate precision. The USEPA CLP guidelines do not specify limits for spike RPDs for elements. As a result, the RPD control limits for laboratory duplicates of 25% in water samples and 35% in soil samples specified in the USEPA Region I Guidelines (USEPA, 1988) were used as guidance.

<u>Groundwater</u>. Two groundwater samples from AOC 57, MX5710X1 and MX5703X3 were evaluated for precision based on spiked samples. The RPDs for elements in spiked groundwater samples ranged from 0.2% to 10.5%. These results were within the USEPA guidelines indicating acceptable precision between results.

<u>Soil</u>. Soil sample BX570905 from AOC 57 were assessed for spike duplicate precision. The RPDs for all elements ranged from 0.1% to 12.4% with the exception of iron and aluminum. Aluminum and iron RPDs were 193.6% and 198.1%, respectively. However, as discussed in Section D.3.1.1, the spike concentrations low relative to the concentrations present in the unspiked sample making the comparison invalid. The RPD results for elements in soil samples were considered acceptable indicating good method performance.

D.4.2.2 Pesticides/PCBs

Pesticide and PCB compounds were spiked in duplicate into groundwater and soil samples to evaluate precision. Nine target pesticide and two PCB compounds were used as spikes including endosulfan I, endosulfan II, aldrin, dieldrin, endrin,

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heptachlor, isodrin, lindane, methoxychlor, 4,4'-DDT, aroclor 1016, and aroclor 1260. The USEPA CLP control limits for pesticides are shown in Table D-17. The USEPA CLP guidelines do not specify limits for spike RPDs for endosulfan I, endosulfan II, isodrin, and PCBs. For these compounds, the RPD control limits for field duplicates of 30% in water samples specified in the USEPA CLP Guidelines (USEPA, 1994) were used. Spiked soil samples were not analyzed for pesticides and PCBs during this investigation.

Groundwater. One groundwater sample MX5703X3, from AOC 57, was spiked with target pesticides and PCBs. The RPDs for pesticides ranged from 0.3% to 18.9% and PCBs ranged from 5.1% to 17.2%. These results were all within the USEPA control limits described above. These results indicate excellent precision between sample results.

D.4.2.3 Other USEPA Methods

Precision for spiked samples was also evaluated for various water quality parameters including hardness, total phosphate, nitrate and nitrite-nitrogen, and kjeldahl-nitrogen in water samples, and TPHC and TOC in soil samples. USEPA CLP guidelines for evaluating spike duplicate RPDs for these parameters are not available. The USEPA Region I control limits for field duplicates 30% in water and 50% in soil were used to compare RPDs between spiked samples.

<u>Groundwater</u>. One groundwater sample MX5703X3 from AOC 57 was spiked in duplicate for the water quality parameters listed above to evaluate precision. All RPDs between the MS and MSDs were less than the 30% control limit indicating excellent method performance.

<u>Soil</u>. Soil samples from AOC 57 (BX570914) were spiked in duplicate for TOC to evaluate precision. Samples EX573106, BX570905 from AOC 57, and BXZW0310 from AOC 69W were spiked in duplicate for TPHC analysis by USEPA Method 9071. All RPDs between the MS and MSDs were less than the 50% control limit indicating acceptable method performance for TOC and TPHC (Method 9071).

Two soil samples from AOC 57 (EX573106 and BX570905) were spike in duplicate to evaluate precision for TPHC as diesel and gasoline (USEPA

Method 8015). The RPDs of soil samples for TPHC as gasoline were within the USEPA control limits indicating acceptable precision.

The RPD for TPHC as diesel fuel (63.3%) exceeded the 50% control limits in sample EX573106. Diesel was not detected in either sample. RPD for TPH as diesel in the second soil duplicate pair was 2.6% indicating excellent agreement between results. Based on duplicate spike data, TPH results (USEPA Method 8015) for soil samples overall are acceptable and no qualification of the use of TPH diesel results was done.

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ATTACHMENT D-1 PROJECT CHEMIST REVIEW SUMMARY MADEP VOLATILE PETROLEUM HYDROCARBON (VPH) AND EXTRACTABLES PETROLEUM HYDROCARBONS (EPH) METHODS AOC 69W FORT DEVENS. AYER MASSACHUSETTS

Introduction

This memo summarizes the ABB-ES chemist review of the analytical results generated by Groundwater Analytical for VPH and EPH analyses for Ft. Devens Task 001 Modification (1996). The VPH and EPH methods were conducted as outlined in accordance with Massachusetts Department of Environmental Protection (MADEP, 1995a; MADEP, 1995b).

The data review summaries below discuss the control elements to which the data were evaluated. The data that are available for review included: method control blanks, laboratory control samples, duplicates, matrix spikes/matrix spike duplicates, holding times and a % surrogate recovery.

Extractable Petroleum Hydrocarbons

Method Control Blanks

The method demonstrated no evidence of contamination of EPH or any of the targeted polynuclear aromatic hydrocarbon analytes.

Laboratory Control Samples

The laboratory control sample analyses demonstrated percent recovery values within the specified acceptable ranges.

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Duplicates

One field duplicate sample was analyzed; no EPH or targeted polynuclear aromatic hydrocarbon analytes were detected. The results of the sample sets were non-detects. In general, the duplicate results indicate good precision of measurement was obtained for the EPH sample analyses. These results indicated agreement for absence of EPH, however, evaluations of precision for positive detection EPH was not possible.

Matrix Spike/ Matrix Spike Duplicates

Two matrix spike/matrix spike duplicate pairs were analyzed. All target compounds with the exception of naphthalene met the quality control limits for one set of spikes. The associated samples had no detection of naphthalene and were not qualified. Although naphthalene recovery of one set was outside the desired recovery range and the RPD result (RPD=37) slightly exceeded the 30% goal, the balance of analytes results indicate good precision was achieved.

Holding Times .

All holding and extraction time limits established for sample analysis were met.

% Surrogate recoveries

All surrogate recoveries were within the acceptance criteria of 60-140%.

Data Quality Objectives (DQOs)

DQOs are based on the premise that different data uses require different levels of data quality. Data quality refers to the degree of uncertainty of analytical data with respect to precision, accuracy, representativeness, completeness, and comparability (PARCC). These objectives are established based on site conditions, the purpose of the field program, and the knowledge of the measurement systems used for generation of the analytical data.

No major quality control problems were observed during the data validation process which would affect the usability of the sample results. A discussion of the laboratory data quality as it relates to the PARCC objectives is presented below.

Precision and Accuracy

Precision refers to the reproducibility of a measurement under certain specified conditions, and accuracy measures the bias associated with the sampling and

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analysis process. Precision and accuracy are affected by both field and laboratory conditions. Precision was monitored through the analysis of field and laboratory blanks, matrix spikes, and surrogate spikes. The Massachusetts Department of Environmental Protection protocols used for the analysis of samples define the criteria for acceptable precision and accuracy. No major precision and accuracy problems were observed which would affect usability.

Representativeness

Measurements are made so that the results obtained are representative of the sampling population, the medium (e.g., soil, groundwater, sediment, etc.) and the site conditions. The sampling protocols were developed to ensure that the samples were representative of the media, that sampling locations were properly selected, and that a sufficient number of samples were collected. Sample handling protocols (chain-of-custody, storage, and transportation) were adequate to preserve the sample integrity. Proper documentation established that the correct protocols had been followed. Co-located samples (field duplicates) were also collected to assess representativeness, and no major problems were observed which would affect usability.

Completeness

The characteristic of completeness is regarded as providing the results of all samples in the data reporting format outlined in the VPH and EPH methods of Massachusetts Department of Environmental Protection. The completeness requirement for sample analysis has been met for this program.

Comparability

The characteristic of comparability reflects both the internal consistency of measurements and the expression of results in units which are consistent with other organizations reporting similar data. Each value reported for a given measurement should be similar to other values within the same data set and with other related data sets. Comparability was assured through use of standardized sampling procedures and the use of VPH and EPH methods of Massachusetts Department of Environmental Protection analytical methods.

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AOC 57 AND 69W REMEDIAL INVESTIGATION FORT DEVENS, MASSACHUSETTS

PARAMETER	MATRIX (SOIL/WATER)	USAEC METHOD NUMBER	EQUIVALENT USEPA METHOD NUMBER	METHOD DESCRIPTION	LABORATORY/ ARMY-CERTIFIED REPORTING LIMIT
рН	Water	No Certified Method	150.1	Measured in Field	N/A
Temperature	Water	No Certified Method	170.1	Measured in Field	N/A
Turbidity	Water	No Certified Method	180.1	Measured in Field	N/A
Conductivity	Water	No Certified Method	120.1	Measured in Field Electrode	N/A
RedOX	Water	No Certified Method	SM 2580b	Measured in Field	N/A
Total Suspended Solids	Water	No Certified Method	160.2	Gravimetric	4000 µg/L
Total Dissolved Solids	Water	No Certified Method	160.1	Gravimetric	10,000 μg/L
Total Organic Carbon	Soil	No Certified Method	SW 9060	Infrared	360 <i>μ</i> g/g
	Water	No Certified Method	SW 9060	Infrared	1000 µg/L
Nitrate/Nitrite	Water	TF22	351.2	Colorimetric	10 μg/L
Hardness	Water	N/A	130.2 or SM2340B	Titration or Calculation	1000 μg/L
TKN (Kjeldahl)	Water	No Certified Method	351.2	Calorimetric	183 <i>µ</i> g/L
Total Petroleum	Water	No Certified Method	418.1	Infrared	167 <i>µ</i> g/L
Hydrocarbons	Soil	No Certified Method	SW 9071/418.1	Infrared	21 <i>µ</i> g/g
Aluminum	Water	SS18	200.7	ICP	141 μg/L
	Soil	JS16	SW 6010	ICP	14.1 <i>µ</i> g/g
Antimony	Soil	JS16	SW 6010	ICP	7.14 µg/g
	Water	SD28	-	GFAA	3.03 µg/L
	Soil	JD25	-	GFAA	1.09 <i>µ</i> g/g
Arsenic	Water	SD22	206.2	GFAA	2.54 μg/L
	Soil	JD19	SW 7060	GFAA	0.25 <i>µ</i> g/g
Barium	Water	SS18	200.7	ICP	2.5 μg/L
	Soil	JS16	SW 6010	ICP	5.91 <i>µ</i> g/g

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AOC 57 AND 69W REMEDIAL INVESTIGATION FORT DEVENS, MASSACHUSETTS

PARAMETER	MATRIX (SOIL/WATER)	USAEC METHOD Number	EQUIVALENT USEPA METHOD NUMBER	METHOD DESCRIPTION	LABORATORY/ ARMY-CERTIFIED REPORTING LIMIT
Beryllium	Water	SS18	200.7	ICP	5.0 <i>µ</i> g/L
•	Soil	JS16	SW 6010	ICP	0.5 <i>µ</i> g/g
Cadmium	Water .	SS10	200.7	ICP	3.01 µg/L
	Soil	JS16	SW 6010	ICP	0.7 μg/g
Calcium	Water	SS18	200.7	ICP	1000 μg/L
	Soil	JS16	SW 6010	ICP	100 <i>µ</i> g/g
Chromium	Water	SS18	200.7	ICP	6.96 μg/L
	Soil	JS16	SW 6010	ICP	4.05 <i>µ</i> g/g
Cobalt	Water	SS18	200.7	ICP	50 μg/L
. •	Soil	JS16	SW 6010	ICP	1.42 µg/g
Copper	Water	SS18	200.7	ICP	5 <i>µ</i> g/L
	Soil	JS16	SW 6010	ICP	0.965 <i>μ</i> g/g
Iron	Water	SS18	200.7	ICP	36.8 µg/L
	Soil	JS16	SW 6010	ICP	3.68 <i>µ</i> g/g
Lead	Soil	JS16	SW 6010	ICP	10.5 <i>µ</i> g/g
	Soil	JD17	SW 7421	GFAA	0.177 <i>μ</i> g/g
	Water	SD20	239.2	GFAA	1.26 μg/L
Magnesium	Water	SS18	200.7	ICP	1000 μg/L
	Soil	JS16	SW 6010	ICP	100 <i>µ</i> g/g
Manganese	Water	SS18	200.7	ICP	2.5 <i>µ</i> g/L
	Soil	JS16	SW 6010	ICP	2.05 μg/g
Mercury	Water	SB01	245.1	CVAA	0.243 <i>µ</i> g/L
	Soil	JB01	SW 7471	CVAA	0.05 μg/g
Nickel	Water	SS18	200.7	ICP	7.11 μg/L
	Soil	JS16	SW 6010	ICP	1.71 μg/g

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AOC 57 AND 69W REMEDIAL INVESTIGATION FORT DEVENS, MASSACHUSETTS

PARAMETER	Matrix (Soil/Water)	USAEC METHOD NUMBER	EQUIVALENT USEPA METHOD NUMBER	METHOD DESCRIPTION	LABORATORY/ ARMY-CERTIFIED REPORTING LIMIT
Potassium	Water	SS18	200.7	ICP	1000 µg/L
	Soil	JS16	SW 6010	ICP	100 <i>µ</i> g/g
Selenium	Water	SD21	270.2	GFAA	3.02 <i>µ</i> g/L
	Soil	JD15	SW7740	GFAA	0.25 <i>µ</i> g/g
Silver	Water	SD23	272.2	GFAA	0.25 <i>µ</i> g/L
	Soil	JD18	SW 7761	GFAA	.025 <i>µ</i> g/g
	Water	SS18	200.7	ICP	4.42 μg/L
	Soil	JS16	SW 6010	ICP	0.589 <i>µ</i> g/g
Sodium	Water	SS18	200.7	ICP	2290 μg/L
	Soil	JS16	SW 6010	ICP	100 <i>μ</i> g/g
Thallium	Water	SD09	279.2	GFAA	6.99 µg/L
	Soil	JD24	SW846 7841	GFAA _.	0.5 <i>μ</i> g/g
Vanadium	Water	SS18	200.7	ICP	4.69 μg/L
	Soil	JS16	SW 6010	ICP	3.39 <i>µ</i> g/g
Zinc	Water	SS18	200.7	ICP	35.8 <i>μ</i> g/L
	Soil	JS16	SW 6010	ICP	8.03 <i>µ</i> g/g
Semivolatile Organic Compounds	Water	UM18	625	Extraction,GC/MS	See POP
	Soil	LM18	SW 8270	Extraction,GC/MS	See POP
Volatile Organic Compound	Water	UM20	624	Purge and Trap, GC/MS	See POP
	Soil	LM19	SW 8240	Purge and Trap, GC/MS	See POP
Pesticides/PCBs	Water	UH13/UH02	608	Extraction, GC	See POP
	Soil	LH10/LH16	SW 8080	Extraction, GC-EC	See POP

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AOC 57 AND 69W REMEDIAL INVESTIGATION FORT DEVENS, MASSACHUSETTS

Parameter	MATRIX (SOIL/WATER)	USAEC METHOD NUMBER	EQUIVALENT USEPA METHOD NUMBER	METHOD DESCRIPTION	LABORATORY/ ARMY-CERTIFIED REPORTING LIMIT
GRO	Water	No Certified Method	Modified 8015	GC/FID	400 μg/L
	Soil	No Certified Method	Modified 8015	GC/FID	8 <i>µ</i> g/g
DRO	Soil	No Certified Method	Modified 8015	GC/FID	8 <i>µ</i> g/g

Notes:

POP = Project Operations Plan; Fort Devens, Massachusetts, Data Item A004/A006; U.S. Army Environmental Center; Aberdeen Proving Ground, Maryland; May 1995.

SW = EPA "Test Methods for Evaluating Solid Wastes", SW-846, September 1986

GRO = Gasoline Range Organics
DRO = Diesel Range Organics

Source: ESE, 1991.

Appendix D-3 Table: D-2 METHOD BLANKS (SOIL) FT. DEVENS DV4 1996

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• Method Description	METALS/SOIL/IGP METALS/SOIL/IGP METALS/SOIL/IGP METALS/SOIL/IGP METALS/SOIL/IGP METALS/SOIL/IGP METALS/SOIL/IGP METALS/SOIL/IGP METALS/SOIL/IGP METALS/SOIL/IGP METALS/SOIL/IGP METALS/SOIL/IGP	PESTICIDES/SOIL/GCEC PESTICIDE
Contractor	ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES	ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES

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. Unit		
Value		386. 387. 387. 387. 387. 387. 387. 387. 387
•	V V V V V V V V V V V V V V V V V V V	*****
Analysis Date	26-SEP-96 10-001-96 10-001-96 10-001-96 10-001-96 10-001-96 10-001-96 10-001-96 10-001-96 10-001-96 10-001-96 10-001-96 10-001-96 10-001-96 10-001-96 10-001-96 10-001-96	30-SEP-96 10-OCT-96 10-OCT-96 10-OCT-96 30-SEP-96 30-SEP-96 30-SEP-96 30-SEP-96 10-OCT-96 30-SEP-96 10-OCT-96 10-OCT-96
Prep Date	22-AUG-96 04-SEP-96 26-AUG-96 04-SEP-96 26-AUG-96 04-SEP-96 26-AUG-96 04-SEP-96 26-AUG-96 04-SEP-96 26-AUG-96 04-SEP-96 26-AUG-96 04-SEP-96 26-AUG-96 04-SEP-96 26-AUG-96 04-SEP-96 26-AUG-96	26-AUG-96 26-AUG-96 26-AUG-96 04-SEP-96 26-AUG-96 04-SEP-96 26-AUG-96 04-SEP-96 26-AUG-96 04-SEP-96 26-AUG-96 04-SEP-96
Lot		NGCH NGCH NGCH NGCH NGCH NGCH NGCH NGCH
Test Name	GCLDAN GCLDAN HPCL HPCLE HPCLE I SOOR LIN MEXCLR PPDOD PPDOD PPDOD PPDOD PPDOD PPDOD PPDOD TXPHEN	PCB016 PCB016 PCB221 PCB221 PCB232 PCB242 PCB248 PCB248 PCB248 PCB254 PCB254 PCB260
IRDMIS Method Code	LH10	LH16
Method Description	PESTICIDES/SOIL/GEC PESTIC	PESTICIDES/SOIL/GCEC PESTICIDE
Contractor	ABB-ES AB	ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES

	Method Description	IRDMIS Method Code	Test Name	Lot	Prep Date	Analysis Date	•	Value	Unit
RGAN	ORGANICS/SOIL/GCMS	LM18	124TCB	ETX:	26-AUG-96	13-SEP-96	: : · v	70.	nge
5	ORGANICS/SOIL/GCMS		124TCB	몱	03-SEP-96	•	v	5.	990
RGA	DRGANICS/SOIL/GCMS		124TCB	ex Ex	06-SEP-96	23-SEP-96	v	4.	99
ă	ORGANICS/SOIL/GCMS		120CLB	SET T	26-AUG-96	13-SEP-96	v	Ξ	
ğ	ORGANICS/SOIL/GCMS		12DCLB	뚪	03-SEP-96	11-SEP-96	v	-	99
ğ	ORGANICS/SOIL/GCMS		120CLB	PEX	06-SEP-96	23-SEP-96	v	ξ.	550
ğ	DRGANICS/SOIL/GCMS		120PH	돘	26-AUG-96	•	v	1,	99
2	ORGANICS/SOIL/GCMS		120PH	룼	03-SEP-96	•	~	7.	990
ğ	DRGANICS/SOIL/GCMS		120PH	쭚	06-SEP-96	w	v	14	99
ğ	ORGANICS/SOIL/GCMS		130CLB	OETK	26-AUG-96	•	,	.13	99
ğ	DRGANICS/SOIL/GCMS		130CLB	뚪	03-SEP-96		v	.13	9
ğ	ORGANICS/SOIL/GCMS		130CLB	SX XX	06-SEP-96	• •	v	.13	99
ğ	ORGANICS/SOIL/GCMS		14DCLB	SET.	26-AUG-96	•	•	86.	9
ğ	ORGANICS/SOIL/GCMS		14DCLB	윉	03-SEP-96	-	•	.098	990
9	ORGANICS/SOIL/GCMS		14DCLB	쫎	96-SEP-96	••	v	.098	990
9	ORGANICS/SOIL/GCMS		245TCP	SET X	26-AUG-96	13-SEP-96	v	٠.	590
9	ORGANICS/SOIL/GCMS		245TCP	뚪	03-SEP-96	11-SEP-96	v	Τ.	990
9	ORGANICS/SOIL/GCMS		245TCP	SX XX	06-SEP-96		v	٠.	290
ğ	ORGANICS/SOIL/GCMS		246TCP	SET X	26-AUG-96	•	v	.17	<u> </u>
2	ORGANICS/SOIL/GCMS		246TCP	뚪	03-SEP-96	-	v	.17	55
8	DRGANICS/SOIL/GCMS		246TCP	S X	06-SEP-96		v	.17	250
9	ORGANICS/SOIL/GCMS		24DCLP	SET X	26-AUG-96	•	v	₩.	ဗ္ဗ
3	ORGANICS/SOIL/GCMS		24DCLP	꽃	03-SEP-96	-	v	₩.	55
2	ORGANICS/SOIL/GCMS		24DCLP	S X	06-SEP-96		v.	<u>.</u>	99
2	ORGANICS/SOIL/GCMS		24DMPN	SET X	26-AUG-96	•	v	9.	99
ð	ORGANICS/SOIL/GCMS		24DMPN	뜻	03-SEP-96	•	v	9.	9
ğ	ORGANICS/SOIL/GCMS		24DMPN	S X X	06-SEP-96		~	%	99
3	ORGANICS/SOIL/GCMS		24DNP	S, T,	26-AUG-96	13-SEP-96	~	1.2	99
ğ	ORGANICS/SOIL/GCMS		24DNP	뜻	03-SEP-96	-	v	1.2	990
ğ	ORGANICS/SOIL/GCMS		24DNP	SX SX	96-SEP-96	••	v	1.2	990
ğ	ORGANICS/SOIL/GCMS		24DNT	OETX	26-AUG-96	•	•	.14	nge Cec
ğ	ORGANICS/SOIL/GCMS		Z4DNT	움	03-SEP-96	•	v	7.	990
ğ	ORGANICS/SOIL/GCMS		24DNT	ex Ex	06-SEP-96	. 4	v	7.	99
2	ORGANICS/SOIL/GCMS		Z6DNT	RETX	26-AUG-96	~	v	.085	99
ğ	ORGANICS/SOIL/GCMS		26DNT	送	03-SEP-96	‡	v	88	99
졅	ORGANICS/SOIL/GCMS		Z6DNT	쫎	96-SEP-96	23-SEP-96	v	89.	990

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Fit	990	35	250	990	990	99	9	5	55	9	200	25	8	25	8	8	25	9	50	25	25	25	9	8	9	28	3	25	25	8	25	28	250	9	200
Value	8.8	8.	.036	.036	.036	.049	670	.049	.029	.029	.029	.062	.062	.062	1,	.14	.14	6.3	6.3	6.3	.45	.45	.45	.55	.55	.55	.033	.033	.033		.8	.8	.095	89	.095
v :		٠ ٧	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v
Analysis Date	13-SEP-96 11-SEP-96	23-SEP-96	13-SEP-96	11-SEP-96	23-SEP-96	13-SEP-96	11-SEP-96	23-SEP-96	13-SEP-96		•			23-SEP-96	13-SEP-96	11-SEP-96	23-SEP-96	13-SEP-96	11-SEP-96		13-SEP-96	11-SEP-96	23-SEP-96	•	11-SEP-96	23-SEP-96	13-SEP-96	-	• •	• .	•	23-SEP-96	13-SEP-96	11-SEP-96	23-SEP-96
Prep Date	26-AUG-96	06-SEP-96		_	_	•		_			06-SEP-96			_		_	_		_				06-SEP-96		_	_	26-AUG-96			26-AUG-96		06-SEP-96	26-AUG-96	03-SEP-96	96-SEP-96
Lot	: A :	X	Æ	쭕	쏤	RX	뚪	쏤	RETK	똣	SX SX SX	RTX	꽃	SX XX	SETX	볽	S K K K	SET.	¥ ¥	SEX	GETK	SEN SEN SEN SEN SEN SEN SEN SEN SEN SEN	OEXK	SETX	똣	GEXK	RTX	몱	SX	SETK	똣	SX	CETX	줐	OEX EX
Test	2CLP	20LP	SCNAP	SCNAP	SCNAP	ZMNAP	SMNAP	SMINAP	Z.	줐	ZMP	SNANIL	2NAN11	SNANIL	ZNP	2NP	2NP	330CBD	33DCBD	330CBD	3NAN1L	3NANIL	SNANIL	46DN2C	46DN2C	46DN2C	4BRPPE	4BRPPE	4BRPPE	4CANIL	4CANIL	4CANIL	4cl3c	4cL3c	4cl3c
IRDMIS Method Code	LM18																																		
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Method Description	ORGANICS/SOIL/GCMS	ORGANICS/SOIL/GOMS	ORGANICS/SOIL/GCMS	ORGANICS/SOIL/GCMS	ORGANICS/SOIL/GCMS	ORGANICS/SOIL/GCMS	ORGANICS/SOIL/GCMS	ORGANICS/SOIL/GCMS	ORGANICS/SOIL/GCMS	ORGANICS/SOIL/GCMS	ORGANICS/SOIL/GCMS	ORGANICS/SOIL/GCMS	ORGANICS/SOIL/GCMS	ORGANICS/SOIL/GCMS	ORGANICS/SOIL/GCMS	ORGANICS/SOIL/GCMS	ORGANICS/SOIL/GCMS	ORGANICS/SOIL/GCMS	ORGANICS/SOIL/GCMS	ORGANICS/SOIL/GCMS	ORGANICS/SOIL/GCMS	ORGANICS/SOIL/GCMS	ORGANICS/SOIL/GCMS	ORGANICS/SOIL/GCMS	ORGANICS/SOIL/GCMS	ORGANICS/SOIL/GCMS	ORGANICS/SOIL/GCMS	ORGANICS/SOIL/GCMS	ORGANICS/SOIL/GCMS	ORGANICS/SOIL/GCMS	ORGANICS/SOIL/GCMS	ORGANICS/SOIL/GCMS	ORGANICS/SOIL/GCMS	ORGANICS/SOIL/GCMS	ORGANICS/SOIL/GCMS
Contractor	ABB-ES	ABB-ES	ABB-ES	ABB-ES	ABB-ES	ABB-ES	ABB-ES	ABB-ES	ABB-ES	ABB-ES	ABB-ES	ABB-ES	ABB-ES	ABB-ES	ABB-ES	ABB-ES	ABB-ES	ABB-ES	ABB-ES	ABB-ES	ABB-ES	ABB-ES	ABB-ES	ABB-ES	48B-ES	ABB-ES	4BB-ES								

Value Unit	.033 UGG	_	_	_	_	.24 UGG	_	_	_	_	_	_	_	.27 UGG	_	_	_	.33 UGG	_	_	_	.33 UGG	.33 UGG	.33 UGG				_	_	.033 UGG	_			_	.059 UGG	_
v		v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v
Analysis Date	13-SEP-96	11-SEP-96	23-SEP-96	13-SEP-96	11-SEP-96	23-SEP-96	13-SEP-96	11-SEP-96	23-SEP-96	13-SEP-96	11-SEP-96	23-SEP-96		11-SEP-96		13-SEP-96	11-SEP-96	23-SEP-96	13-SEP-96	11-SEP-96	23-SEP-96	13-SEP-96	11-SEP-96	23-SEP-96	13-SEP-96				11-SEP-96	23-SEP-96	23-SEP-96	13-SEP-96	11-SEP-96	23-SEP-96	13-SEP-96	11-SEP-96
Prep Date	26-AUG-96	03-SEP-96	06-SEP-96	26-AUG-96	03-SEP-96	06-SEP-96	26-AUG-96	03-SEP-96	06-SEP-96	26-AUG-96	03-SEP-96	06-SEP-96	26-AUG-96	03-SEP-96	06-SEP-96	26-AUG-96	03-SEP-96	06-SEP-96	26-AUG-96	03-SEP-96	06-SEP-96	26-AUG-96	03-SEP-96	06-SEP-96	26-AUG-96	03-SEP-96	06-SEP-96	26-AUG-96	03-SEP-96	06-SEP-96	06-SEP-96	26-AUG-96	03-SEP-96	06-SEP-96	26-AUG-96	03-SEP-96
Lot	ET.	옷	S X X	SETK	똣	OEXK XX	et X	뚪	S X	SETK	똣	S X	SETX	똧	S X	SET T	똧	S X	퐀	똧	S K K	A X	욹	S X	A X	毙	쫎	et K	뚪	X	쏤	줐	뚪	X	SET.	뽔
Test Name	4cLPPE	4CLPPE	4CLPPE	dwb	dW5	4MP	4NANIL	4NANIL	4NANIL	4NP	dN4	4NP	ABHC	ABHC	ABHC	ACLDAN	ACLDAN	ACLDAN	AENSLF	AENSLF	AENSLF	ALDRN	ALDRN	ALDRN	ANAPNE	ANAPNE	ANAPNE	ANAPYL	ANAPYL	ANAPYL	ANIL	ANTRC	ANTRC	ANTRC	BZCEXM	B2CEXM
IRDMIS Method Code	[M18				٠																															
or Method Description	ORGANICS/SOIL /GCMS	ORGANICS/SOIL/GCMS																																		
Contractor	ARR-FS	ABB-ES	ABB-ES	488-ES	ABB-ES	4BB-ES	48B-ES	ABB-ES	4BB-ES	ABB-ES																										

Unit	990	2	990	UGG	990	99	9	99	9	9	99	9	25	1000	99	992	9	DGG C	99 Neg	990	990	990	95 UG	990	99 1	<u> </u>	99	190	990	990	990	990	990	990	990
Value	.059		۲.	.033	.033	.033	29:	.62	-62	.17	-17	.17	.25	٠. ت	<u>ئ</u>	.21	.21	۲.	.27	.27	.27	.17	.17	.17	.62	.62	-62	.85	85	85	6.1	6.1	6.1	ب	٠ <u>.</u>
v	V V	V	v	v	v	v	v	v	v	v	v	v	Y	v	v	Y	¥	v	v	v	v	¥	¥	v	v	v	v	v	v	v	v	v	v	v	v
Analysis Date	23-SEP-96 13-SEP-96	11-SEP-96	23-SEP-96	13-SEP-96	11-SEP-96	23-SEP-96	13-SEP-96	11-SEP-96	23-SEP-96	13-SEP-96	11-SEP-96	23-SEP-96	13-SEP-96	11-SEP-96	23-SEP-96	13-SEP-96	11-SEP-96	23-SEP-96	13-SEP-96	11-SEP-96	23-SEP-96	13-SEP-96	11-SEP-96	23-SEP-96	13-SEP-96	11-SEP-96	23-SEP-96	13-SEP-96	11-SEP-96	23-SEP-96	13-SEP-96	11-SEP-96	23-SEP-96	13-SEP-96	11-SEP-96
Prep Date	36-SEP-96	3-SEP-96	96-d3S-90	26-AUG-96	03-SEP-96	06-SEP-96	26-AUG-96				03-SEP-96	06-SEP-96	26-AUG-96											36-SEP-96	56-AUG-96	03-SEP-96.	SEP-96		3EP-96		26-AUG-96	03-SEP-96	06-SEP-96	26-AUG-96	03-SEP-96
Lot	OEXK OFTK	_	_	•	_	_		_	_		_	_	•	_	S X X		똜	_		_	_		_	S K K K	• •	_	_	OETK 2	_	_	OETK 2	SEX (_	OETK 2	OEK C
Test	B2CEXM B2CIPE	BZCIPE	B2CIPE	BZCLEE	BZCLEE	BZCLEE	BZEHP	BZEHP	BZEHP	BAANTR	BAANTR	BAANTR	BAPYR	BAPYR	BAPYR	BBFANT	BBFANT	BBFANT	BBHC	BBHC	BBHC	BBZP	88ZP	BBZP	BENSLF	BENSLF	BENSLF	BENZID	BENZID	BENZID	BENZOA	BENZOA	BENZOA	BGHIPY	BGHIPY
IRDMIS Method Code	LM18																																		
ç	S S	S	<u>s</u>	S	S	S	<u>s</u>	S	<u>∞</u>	S	Ω	<u>S</u>	S	S	S	S	S	S	<u>8</u>	<u>s</u>	<u>8</u>	<u>8</u>	<u>2</u>	S	<u>8</u>	S	S	S	S	S	<u>s</u>	S	S	S	
escriptio	ORGANICS/SOIL/GCMS	/S01L/GC/	ORGANICS/SOIL/GCMS	/SOIL/GCF	/S01L/GC/	ORGANICS/SOIL/GCMS	/S011/6C/	SOIL/GC	SOIL/GCM	SOIL/GCM	/S01L/GQ4	/S01L/GCM	/S01L/GC#	/SOIL/GCM	SOIL/GCM	SOIL/GOM	SOIL/GOM	SOIL/GCM	SOIL/GCM	SOIL/GCM	SOIL/GOM	SOIL/GC₩	SOIL/GOM	SOIL/GOM	SOIL/GCM	SOIL/GCM	SOIL/GCM	SOIL/GCM	SOIL/GON	SOIL/GCM	SOIL/GON	SOIL/GCM	SOIL/GCM	SOIL/GCM	SOIL/GCM
Method Description	ORGANICS, ORGANICS	ORGANICS/SOIL/GCMS	ORGANICS,	ORGANICS/SOIL/GCMS	ORGANICS/SOIL/GCMS	ORGANICS,	ORGANICS/SOIL/GCMS	ORGANICS/SOIL/GCMS	ORGANICS/SOIL/GCMS	ORGANICS/SOIL/GCMS	ORGANICS/SOIL/GCMS	ORGANICS/SOIL/GCMS	ORGANICS/SOIL/GCMS	ORGANICS/SOIL/GCMS	ORGANICS/SOIL/GCMS	ORGANICS/SOIL/GCMS	ORGANICS/SOIL/GCMS	ORGANICS/SOIL/GCMS	ORGANICS/SOIL/GCMS	ORGANICS/SOIL/GCMS	ORGANICS/SOIL/GCMS	ORGANICS/SOIL/GCMS	ORGANICS/SOIL/GCMS	ORGANICS/SOIL/GCMS	ORGANICS/SOIL/GCMS	ORGANICS/SOIL/GCMS	ORGANICS/SOIL/GCMS	ORGANICS/SOIL/GCMS	ORGANICS/SOIL/GCMS	ORGANICS/SOIL/GCMS	ORGANICS/SOIL/GCMS	ORGANICS/SOIL/GCMS	ORGANICS/SOIL/GCMS	ORGANICS/SOIL/GCMS	ORGANICS/SOIL/GCMS
Contractor	ABB-ES ABB-ES	ABB-ES																																	

Value Unit	25 1126	990 990.	_	_	. 19 UGG	. 19 UGG		.3 UGG	.3 UGG	.14 UGG	.14 UGG	. 14 UGG	. 12 UGG	_			.033 UGG		6.2 UGG		_	_	. 15 066		.21 UGG	_	_	.27 UGG	_			.035 UGG	_	.24 UGG	_	.24 UGG
Analysis Date <			-	•••	-	•	"		"	•	-	• •	•	•	• •	•	-	w	•	-	••	•	-		•	•	•	•			•	•		•	-	5 23-SEP-96 <
Prep Lot Date	OEVV 04-9ED-04		_	_		_	_	•••	_		_	_		_	_		_	_	-	_	_		OEWK 03-SEP-96	_		_	_		_	OEXK 06-SEP-96	•	OEWK 03-SEP-96	_		_	OEXK 06-SEP-96
S d Test Name	Pourby	RKFANT	BKFANT	BKFANT	BZALC	BZALC	BZALC	C27	C27	CARBAZ	CARBAZ	CARBAZ	CHRY	CHRY	CHRY	CL682	CL68Z	CL682	CL6CP	CI.6CP	CL6CP	CLEET	CLEET	CLGET	DBAHA	DBAHA	DBAHA	DBHC	DBHC	DBHC	DBZFUR	DBZFUR	DBZFUR	ద	DEP	DEP
IRDMIS Method Code	977	<u>.</u>					•																													
Method Description	OBCON 1100 OCINEDO	ORGANICS/SOTI/GCMS	ORGANICS/SOIL/GCMS																																	
Contractor		ABB-ES																																		

Appendix D-3 Table: D-2 METHOD BLANKS (SOIL) FT. DEVENS DV4 1996

Unit	99	3 5			550	99	990	99	99	25	990	9	99 2	99 0	99 Neg	990	99 20	99	990	990	066	990	990	990	990	990	99n	99 1	990	990	550	990	990	99 0	99 0
Value	.31		.12	.17	.17	.061	.061	.061	.19	.19	.19	M	.13	. 45	.45	.45	.53	.53	.53	.53	.53	.53	.62	.62	.62	890.	.068	.068	.033	.033	.033	.33	.33	.33	ង
v	: · v ·	v v	· •	v	v	v	v	v	v	v	v		v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v
/sis	13-SEP-96	7-SEP-90	13-SEP-96	11-SEP-96	23-SEP-96	96-di	11-SEP-96	23-SEP-96	13-SEP-96	P-96	EP-96	96-d	23-SEP-96	13-SEP-96	11-SEP-96	23-SEP-96	96-di	11-SEP-96	23-SEP-96	13-SEP-96	96-di	23-SEP-96	13-SEP-96	11-SEP-96	23-SEP-96	96-di	11-SEP-96	23-SEP-96	96-di	11-SEP-96	23-SEP-96	13-SEP-96	11-SEP-96	33-SEP-96	SEP-96
Analysis Date	13-SI	24-5	13-S	11-S			-	25-52	13-SI	11-S	23-SEP-96	22-52	23-55	-	11-SE	23-SI	13-SE	11-SE					13-SE	11-SE	23-51	13-SE	11-SE	23-51	13-SI	11-S	23-52	13-SE	11-SE	χ- <u>γ</u>	13-SE
	26-AUG-96	15-SEP-30	26-AUG-96	03-SEP-96	36-SEP-96	16-96	P-96	36-SEP-96	26-AUG-96	03-SEP-96	06-SEP-96	06-SEP-96	96-SEP-96	26-AUG-96	03-SEP-96	96-d	96-5	03-SEP-96	36-SEP-96	96-5	96-d	06-SEP-96	56-AUG-96	3-SEP-96	36-SEP-96	26-AUG-96	03-SEP-96	36-SEP-96	26-AUG-96	33-SEP-96	36-SEP-96	96-5 ₁	3-SEP-96	P-96	96-DI
Prep Date	26-AU	25.5	26-AE	03-SE	3S-90	26-AUG-96	03-SE	98-SE	26-A U	03-SE	96-SE	3S-90	3S-90	26-AU	03-SE	3S-90	26-AUG-96	03-SE	96-SE	26-AUG-96	03-SE	96-SE	26-AU	03-SE	3S-90	26-AU	03-SE	3S-90	26-AU	03-SE	96-SE	26-AUG-95	03-SE	96-SEP-96	26-AUG-96
Lot	ET.	ž ž	ETX	뚪	SK SK	DETK	SEX SEX	ex ex	SET E	뚪	SX XX	SX SX	SX SX	DETK		ex Ex							OETK	뚪	OEXK	SETK	OE!K	OEXK	OETK	SEX SEX	OEXK	OETK	SEX SEX	OEXK	NETK
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IRDMIS Method Code	LM18																																		
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Desc	cs/sc	20/20	CS/SC	S/SS	CS/SC	CS/SC	cs/sc	cs/sc	cs/sc	S/SC	S/SO	cs/sc	CS/SC	CS/SC	S/SC	cs/sc	cs/sc	cs/sc	cs/sc	CS/SC															
Contractor Nethod Description	ORGANICS/SOIL/GCMS	ORGANICS/SOIL/GOMS	ORGANICS/SOIL/GCMS	ORGANICS/SOIL/GCMS	ORGANICS/SOIL/GCMS	ORGANICS/SOIL/GCMS	ORGANICS/SOIL/GCMS	ORGANICS/SOIL/GCMS	ORGANICS/SOIL/GCMS	ORGANICS/SOIL/GCMS	ORGANICS/SOIL/GCMS	ORGANICS/SOIL/GCMS	ORGANICS/SOIL/GCMS	ORGANICS/SOIL/GCMS	ORGANICS/SOIL/GCMS	ORGANICS/SOIL/GCMS	ORGANICS/SOIL/GCMS	ORGANICS/SOIL/GCMS	ORGANICS/SOIL/GCMS	ORGANICS/SOIL/GCMS	ORGANICS/SOIL/GCMS	ORGANICS/SOIL/GCMS	ORGANICS/SOIL/GCMS	ORGANICS/SOIL/GCMS	ORGANICS/SOIL/GCMS	ORGANICS/SOIL/GCMS	ORGANICS/SOIL/GCMS	ORGANICS/SOIL/GCMS	ORGANICS/SOIL/GCMS	ORGANICS/SOIL/GCMS	ORGANICS/SOIL/GCMS	ORGANICS/SOIL/GCMS	ORGANICS/SOIL/GCMS	ORGANICS/SOIL/GCMS	ORGANICS/SOIL/GCMS
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Prep Date	33-SEP-96)6-SEP-96	26-AUG-96	3-SEP-96	96-SEP-96	26-AUG-95	03-SEP-96	36-SEP-96	26-AUG-96	03-SEP-96	36-SEP-96	26-AUG-96	33-SEP-96	96-SEP-96	26-AUG-96	03-SEP-96	96-SEP-96	26-AUG-96	03-SEP-96	-SEP	06-SEP-96	26-AUG-96	-SE	06-SEP-96	26-AUG-96	33-SEP-96	36-SEP-96	26-AUG-96	03-SEP-96	96-SEP-96	26-AUG-96	03-SEP-96	96-SEP-96	26-AUG-96	3-SEP-	96-SEP-96
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Test Name	HCBO	HCBO	FPC.	된	절	HPCLE	HPCLE	HPCLE	ICDPYR	ICDPYR	ICOPYR.	ISOPHR	ISOPHR	ISOPHR	LIN	LIN	LIN	MEXCLR	MEXCLR	MEXCLR	MIREX	NAP	NAP	NAP	9	2	9	NNDMEA	NNDMEA	NNDMEA	NNDNPA	NNDNPA	NNDNPA	NNDPA	NNDPA	NNDPA
IRDMIS Method Code	LM18																																			
Method Description	ORGANICS/SOIL/GCMS	ORGANICS/SOIL/GCMS	ORGANICS/SOIL/GCMS	ORGANICS/SOIL/GCMS	ORGANICS/SOIL/GCMS	ORGANICS/SOIL/GCMS	DRGANICS/SOIL/GCMS	DRGANICS/SOIL/GCMS	DRGANICS/SOIL/GCMS	DRGANICS/SOIL/GCMS	DRGANICS/SOIL/GCMS	ORGANICS/SOIL/GCMS	ORGANICS/SOIL/GCMS	DRGANICS/SOIL/GCMS	DRGANICS/SOIL/GCMS	DRGANICS/SOIL/GCMS	ORGANICS/SOIL/GCMS																			
Desc	S/SC	S/SC	S/SC	3/SG	s/sd	S/SC	s/sc	s/sc	S/SC	:s/so	:S/S0	S/S0	3/S0	3/S0)S/S0	S/S0	s/so	3/80	.s/s0	0S/S	S/S	S/S	S/S0	S/S0	S/S	S/S0	3/S0	s/so	.s/s0	S/S	.s/s0	.s/s0	S/S	S/S	.s/s0	2/20
Method	ORGANIC																																			
Contractor	ABB-ES	ABB-ES	ABB-ES	48B-ES	ABB-ES	488-ES	ABB-ES	4BB-ES	ABB-ES	4BB-ES	188-ES	ABB-ES	ABB-ES	4BB-ES	4BB-ES	ABB-ES	ABB-ES	ABB-ES	ABB-ES	ABB-ES	ABB-ES	48B-ES	48B-ES	38-ES	ABB-ES	VBB-ES										

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Apperdix D-3 Table: D-2 METHOD BLANKS (SOIL) FT. DEVENS DV4 1996

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IRDMIS Method Code	LM19																												1302	1601
Method Description	VOLATILES/SOIL/GCMS VOLATILES/SOIL/GCMS	VOLATILES/SOIL/GCMS VOLATILES/SOIL/GCMS	VOLATILES/SOIL/GCMS	VOLATILES/SOIL/GCMS	VOLATILES/SOIL/GCMS	VOLAT 1 LES/501 L/60MS	VOLATILES/SOIL/GCMS	VOLATILES/SOIL/GCMS	VOLAT1LES/SOIL/GCMS	VOLATILES/SOIL/GCMS	VOLATILES/S01L/GCMS	VOLATILES/SOIL/GCMS	VOLATILES/SOIL/GCMS	VOLATILES/SOIL/GCMS	VOLATILES/SOIL/GCMS	VOLATILES/SOIL/GCMS	VOLATILES/S01L/GCMS	VOLATILES/SOIL/GCMS	VOLATILES/SOIL/GCMS											
Contractor	ABB-ES ABB-ES	ABB-ES	ABB-ES	ABB-ES	ABB-ES	ABB-ES	ABB-ES	ABB-ES	ABB-ES	ABB-ES	ABB-ES	ABB-ES	ABB-ES	ABB-ES	ABB-ES	ABB-ES	ABB-ES	ABB-ES	ABB-ES	ABB-ES	ABB-ES	ABB-ES	ABB-ES	ABB-ES	ABB-ES	ABB-ES	ABB-ES	ABB-ES	ABB-ES	ABB-ES ABB-ES

Contractor	Contractor Method Description	IRDMIS Method Code	Test Name	Lot	Prep Date	Analysis Date <	Value Unit	it
ABB-ES		1601	TDS	ZKLN	07-0CT-96 07-0CT-96	07-0CT-96 <	10000 UGL	ی :
ABB-ES ABB-ES		1602	TSS TSS	ZKJM	14-0CT-96 07-0CT-96	ZKCN 14-0CT-96 14-0CT-96 < ZKJM 07-0CT-96 07-0CT-96 <	 4000 UGL	
ABB-ES		4151	100	ZKLP	13-NOV-96	ZKLP 13-NOV-96 13-NOV-96 <	1000 UGL	
ABB-ES ABB-ES		4181	TPHC TPHC	ZKE0	21-0CT-96 21-0CT-96	21-0CT-96 22-0CT-96 < 21-0CT-96 22-0CT-96 <	167000 UGL 167000 UGL	
ABB-ES	METALS/WATER/CVAA	SB01	뮢	QJRF ;	22-0CT-96	22-0C1-96 22-0CT-96 <	.243 UGL	
ABB-ES	METALS/WATER/GFAA	sp09	7.	9900	25-0CT-96	25-0CT-96 29-0CT-96 <	 6.99 UGL	-4
ABB-ES	METALS/WATER/GFAA	SD20	88	MCVH	25-0CT-96	MCVH 25-0CT-96 29-0CT-96 <	 1.26 UGL	ی
ABB-ES	METALS/WATER/GFAA	sp21	SE	XCLH	25-0CT-96	XCLH 25-0CT-96 01-NOV-96 <	 3.02 UGL	ي.
ABB-ES	METALS/WATER/GFAA	SD22	AS	YCOH	25-oct-96	YCQH 25-OCT-96 01-NOV-96 <	 2.54 UGL	-4
ABB-ES	METALS/WATER/GFAA	SD28	88	NFKF ?	25-0CT-96	25-0CT-96 30-0CT-96 <	 3.03 UGL	
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ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES	METALS/NATER/ICP METALS/NATER/ICP METALS/NATER/ICP METALS/NATER/ICP METALS/NATER/ICP		m ~ & w & w		3-001-86 23-001-86 23-001-86 23-001-86	22-01-8 22-01-8 22-01-8 22-01-8 22-01-8 8	 22.5 UG 22.5 UG 22.5 UG	

Appendix D-3 Table: D-2 METHOD BLANKS (WATER) FT. DEVENS DV4 1996

Contractor	Contractor Method Description	IRDMIS Method Code	Test Name	Ę	Prep Date	Analysis Date <		
ABB-ES ABB-ES ABB-ES	METALS/WATER/ICP METALS/WATER/ICP METALS/WATER/ICP	SS18	NI ZN ZN	9000	23-0CT-96 23-0CT-96 23-0CT-96	23-0CT-96 < 23-0CT-96 < 23-0CT-96 <	7.11 UGL 4.69 UGL 35.8 UGL	
ABB-ES	NIT/WATER/TECHNICON	1F22	NIT	ZGGE	22-0CT-96	ZGQE 22-0CT-96 22-0CT-96 <	. 10 UGL	
ABB-ES	TOTAL NITROGEN/WATER/TECH TF26	1F26	NZKJEL	SHOB	28-0CT-96	SHOB 28-OCT-96 28-OCT-96 <	183 UGL	
ABB-ES	PHOSHATES/WATER/TECHNICON	TF27	P04	WHAC	21-0CT-96	WHAC 21-0CT-96 22-0CT-96 <	13.3 UGL	
488-ES 488-ES 488-ES 488-ES 488-ES 488-ES	PESTICIDES/WATER/GCEC PESTICIDES/WATER/GCEC PESTICIDES/WATER/GCEC PESTICIDES/WATER/GCEC PESTICIDES/WATER/GCEC PESTICIDES/WATER/GCEC PESTICIDES/WATER/GCEC PESTICIDES/WATER/GCEC	UH02	PCB016 PCB221 PCB232 PCB242 PCB248 PCB254	800 800 800 800 800 800 800 800 800 800	04-0CT-96 04-0CT-96 04-0CT-96 04-0CT-96 04-0CT-96 04-0CT-96	13-001-96 < 13-001-96 < 13-001-96 < 13-001-96 < 13-001-96 < 13-001-96 < 13-001-96 < 13-001-96 < 13-001-96 < 13-001-96 < 13-001-96 < 13-001-96 < 13-001-96 < 13-001-96 < 13-001-96 < 13-001-96 < 13-001-96 < 13-001-96 < 13-001-96 < 13-001-96 < 13-001-96 < 13-001-96 < 13-001-96 < 13-001-96 < 13-001-96 < 13-001-96 < 13-001-96 < 13-001-96 < 13-001-96 < 13-001-96 < 13-001-96 < 13-001-96 < 13-001-96 < 13-001-96 < 13-001-96 < 13-001-96 < 13-001-96 < 13-001-96 < 13-001-96 < 13-001-96 < 13-001-96 < 13-001-96 < 13-001-96 < 13-001-96 < 13-001-96 < 13-001-96 < 13-001-96 < 13-001-96 < 13-001-96 < 13-001-96 < 13-001-96 < 13-001-96 < 13-001-96 < 13-001-96 < 13-001-96 < 13-001-96 < 13-001-96 < 13-001-96 < 13-001-96 < 13-001-96 < 13-001-96 < 13-001-96 < 13-001-96 < 13-001-96 < 13-001-96 < 13-001-96 < 13-001-96 < 13-001-96 < 13-001-96 < 13-001-96 < 13-001-96 < 13-001-96 < 13-001-96 < 13-001-96 < 13-001-96 < 13-001-96 < 13-001-96 < 13-001-96 < 13-001-96 < 13-001-96 < 13-001-96 < 13-001-96 < 13-001-96 < 13-001-96 < 13-001-96 < 13-001-96 < 13-001-96 < 13-001-96 < 13-001-96 < 13-001-96 < 13-001-96 < 13-001-96 < 13-001-96 < 13-001-96 < 13-001-96 < 13-001-96 < 13-001-96 < 13-001-96 < 13-001-96 < 13-001-96 < 13-001-96 < 13-001-96 < 13-001-96 < 13-001-96 < 13-001-96 < 13-001-96 < 13-001-96 < 13-001-96 < 13-001-96 < 13-001-96 < 13-001-96 < 13-001-96 < 13-001-96 < 13-001-96 < 13-001-96 < 13-001-96 < 13-001-96 < 13-001-96 < 13-001-96 < 13-001-96 < 13-001-96 < 13-001-96 < 13-001-96 < 13-001-96 < 13-001-96 < 13-001-96 < 13-001-96 < 13-001-96 < 13-001-96 < 13-001-96 < 13-001-96 < 13-001-96 < 13-001-96 < 13-001-96 < 13-001-96 < 13-001-96 < 13-001-96 < 13-001-96 < 13-001-96 < 13-001-96 < 13-001-96 < 13-001-96 < 13-001-96 < 13-001-96 < 13-001-96 < 13-001-96 < 13-001-96 < 13-001-96 < 13-001-96 < 13-001-96 < 13-001-96 < 13-001-96 < 13-001-96 < 13-001-96 < 13-001-96 < 13-001-96 < 13-001-96 < 13-001-96 < 13-001-96 < 13-001-96 < 13-001-96 < 13-001-96 < 13-001-96 < 13-001-96 < 13-001-96 < 13-001-96 < 13-001-96 < 13-001-96 < 13-001-96 < 13-001-96 < 13-001	.16 UG. .16 UG. .19 UG. .19 UG. .19 UG. .19 UG.	
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IRDMIS Method Code	UH13																										UM18		
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	ទ្រ	띯	99		֓֞֓֓֓֓֓֓֓֓֓֓֟֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓) (GE)	GCEC	GCEC	33	ָבָרָבָר בַּירָבָרָבְרָבָרָבְירָבְירָבְירָבְירָבְירָ	֓֞֝֝֝֝֝֝֟֝֓֟֝֝֓֓֓֟֝֝֓֓֓֟֝֓֓֓֓֓֟֝֓֓֓֓֟֝֝֓֓֓֝֝֓֓֓֝֝֝֓֓֝֝֝֡ ֓֓֞֞֞֞֞֞֞֞֞֞֞֞֞֞֞֞֞֞	GCEC	GCEC	GCEC	CCEC	200	֓֞֝֝֞֝֝֞֝֟֝֓֞֝֟֝֓֓֟֝֓֟֝֓֟֝֓֓֓֓֟֝֓֓֓֓֟֝֓֓֓֓֟֝֓֓֓֓֟֝֓֓֓֡֝֝֡֡֝֡֓֡֝֡֝֡֝֡֡֝֡֝֡֡֝֡֡֡֡֝֡֡֡֡֝֝֡֡֡֝֡֡֝	GCEC	GCEC	GCEC	SCEC	CCEC	CEC	CCEC) 	SE	S S S	S S
iptio	ATER/GC	ATER/GCE	ATER/GCE	ATER/GCE	ATED/CCE	ATER/GCEC	ATER/GCEC	ATER/GCEC	ATER/GCEC	ATER/GCEC	A LER / GCEC	ATER/GCEC	ATER/GCEC	ATER/GCEC	ATER/GCEC	ATER/GCEC	A LER/GCEC	ATER/GCEC	ATER/GCEC	ATER/GCEC	ATER/GCEC	ATER/GCEC	ATER/GCEC	ATER/GCEC	ATER/GCEC	ATER/GCEC	ER/GCMS	ER/GCMS	ER/GOMS
escriptio	ES/WATER/GC ES/WATER/GC	ES/WATER/GCE	ES/WATER/GCE	ES/WATER/GCE	ES/WAIEK/GCE(ES/UATED/GCE	ES/WATER/GCEC	ES/WATER/GCEC	ES/WATER/GCEC	ES/WATER/GCEC	ES/WATER/GCEC	ES/WAIEK/GCEC	ES/WATER/GLEC	ES/WATER/GCEC	ES/WATER/GCEC	ES/WATER/GCEC	ES/WATER/GCEC	ES/WATER/GCEC	ES/WATER/GCEC	ES/WATER/GCEC	ES/WATER/GCEC	ES/WATER/GCEC	ES/WATER/GCEC	ES/WATER/GCEC	ES/WATER/GCEC	ES/WATER/GCEC	ES/WATER/GCEC	/WATER/GOMS	/WATER/GCMS	/WATER/GOMS
od Descriptio	TICIDES/WATER/GC	TICIDES/WATER/GCE	I CIDES/WATER/GCE	TICIDES/WATER/GCE	TCIDES/WATER/GCE	TICIDES/WATER/GCEC	TICIDES/WATER/GCEC	TICIDES/WATER/GCEC	I I CI DES/WATER/GCEC	TICIDES/WATER/GCEC	I CIDES/WATER/GCEC	TICIDES/WATER/GCEC	TICIDES/WATER/GCEC	TICIDES/WATER/GCEC	TICIDES/WATER/GCEC	TICIDES/WATER/GCEC	TCIDES/WATER/GCEC	TCIDES/WATER/GCEC	TICIDES/WATER/GCEC	TICIDES/WATER/GCEC	TICIDES/WATER/GCEC	TICIDES/WATER/GCEC	ICIDES/WATER/GCEC	ICIDES/WATER/GCEC	ICIDES/WATER/GCEC	TICIDES/WATER/GCEC	NICS/WATER/GONS	NICS/WATER/GCMS	NICS/WATER/GONS
Method Descriptio	PESTICIDES/WATER/GCEC	PESTICIDES/WATER/GCEC	PESTICIDES/WATER/GCEC	PESTICIDES/WATER/GCEC	PESTICIDES/WATER/GUEL	PESTICIDES/WATER/GCEC	PESTICIDES/WATER/GCEC	PESTICIDES/WATER/GCEC	PESTICIDES/WATER/GCEC	PESTICIDES/WATER/GCEC	PESTICIDES/WATER/GCEC	PESTICIDES/WATER/GCEC	PESTICIDES/WATER/GCEC	PESTICIDES/WATER/GCEC	PESTICIDES/WATER/GCEC	PESTICIDES/WATER/GCEC	PESTICIDES/WATER/GCEC	PESTICIDES/WATER/GCEC	PESTICIDES/WATER/GCEC	PESTICIDES/WATER/GCEC	PESTICIDES/WATER/GCEC	PESTICIDES/WATER/GCEC	PESTICIDES/WATER/GCEC	PESTICIDES/WATER/GCEC	PESTICIDES/WATER/GCEC	PESTICIDES/WATER/GCEC	ORGANICS/WATER/GCMS	ORGANICS/WATER/GCMS	ORGANICS/WATER/GCMS
actor Method Descriptio			_				_													_		_		_		_			
Contractor Method Description	ABB-ES PESTICIDES/WATER/GC		_		ABB-ES PESTICIDES/WATEK/GCET		_				ABB-ES PESTICIDES/WATER/GCEC						ABB-ES PESTICIDES/WATER/GCEC		_	_	_	_		_		ABB-ES PESTICIDES/WATER/GCEC	ABB-ES ORGANICS/WATER/GCMS		

Appendix D-3 Table: D-2 METHOD BLANKS (WATER) FT. DEVENS DV4 1996

Contractor Me	Method Description	IRDMIS Method Code	Test Name	Lot	Prep Date	Analysis Date	•	Value	Unit
ič	DRGANTCS/WATER/GCMS	UM18	120PH	. E	15-oct-96	16-0CT-96		2	Jer -
ő	ORGANICS/WATER/GCMS	! : :	130CLB	S	04-0CT-96	08-0CT-96	v	1.7	펗
ő	DRGANICS/WATER/GCMS		13DCLB	<u> </u>	15-0CT-96	16-0CT-96	v	1.7	덕
Ó	DRGANICS/WATER/GCMS		14DCLB	₹ 1	04-0CT-96	08-0CT-96	·	1.7	덤
ŏ	DRGANICS/WATER/GCMS		14DCLB	<u></u>	15-0CT-96	16-0CT-96	v	1.7	폌
ŏ	DRGANICS/WATER/GCMS		245TCP	2	04-0CT-96	08-0CT-96	v	2.5	펗
6	DRGANICS/WATER/GCMS		245TCP	<u> </u>	15-oct-96	16-0CT-96	v	2.2	펄
ŏ	ORGANICS/WATER/GCMS		246TCP	3	04-0CT-96	08-0CT-96	v	4.2	걸
Ó	DRGANICS/WATER/GCMS		246TCP	¥00¥	15-oct-96	16-0CT-96	v	4.2	귤
Ó	ORGANICS/WATER/GCMS		24DCLP	3	04-0CT-96	08-0CT-96	v	5.9	폌
ő	DRGANICS/WATER/GCMS		24DCLP	<u> </u>	15-oct-96	16-0CT-96	v	2.9	둭
6	ORGANICS/WATER/GCMS		24DMPN	3	04-0CT-96	08-0CT-96	v	ν. ω	궠
Ö	DRGANICS/WATER/GCMS		24DMPN	<u>5</u>	15-oct-96	16-0CT-96	v	ر. 8	댿
ð	ORGANICS/WATER/GCMS		24DNP	3	04-0CT-96	08-0CT-96	v		ᇋ
Ó	ORGANICS/WATER/GCMS		24DNP	F 00 X	15-0CT-96	16-0CT-96	v		뎍
Ó	ORGANICS/WATER/GCMS		24DNT	E SI	04-0CT-96	08-0CT-96	v		멸
ð	ORGANICS/WATER/GCMS		24DNT	₹ 8	15-oct-96	16-0CT-96	v	4.5	폌
6	DRGANICS/WATER/GCMS		26DNT	3	04-0CT-96	08-0CT-96	v		덕
5	ORGANICS/WATER/GCMS		260NT	20	15-oct-96	16-oct-96	v		덕
ð	ORGANICS/WATER/GCMS		2CLP	3	04-0CT-96	08-0CT-96	v		덕
ð	DRGANICS/WATER/GCMS		2CLP	¥00m	15-oct-96	16-oct-96	v	8.	덕
6	ORGANICS/WATER/GCMS		2CNAP	3	04-0CT-96	08-0CT-96	v		덕
ŏ	ORGANICS/WATER/GCMS		SCNAP	¥003	15-oct-96	16-0CT-96	v	'n	덕
ð	ORGANICS/WATER/GCMS		ZMNAP	2	04-0CT-96	08-0CT-96	v		궠
ŏ	ORGANICS/WATER/GCMS		ZMINAP	5	15-oct-96	16-oct-96	v	1.7	걸
ö	ORGANICS/WATER/GCMS		SE SE	¥ 9	04-0CT-96	08-0CT-96	v	3.9	폌
ö	ORGANICS/WATER/GCMS		₹ Ka	<u> </u>	15-oct-96	16-0CT-96	v	3.9	널
ŏ	DRGANICS/WATER/GCMS		2NANIL	3	04-0CT-96	08-0CT-96	v	4.3	덕
6	ORGANICS/WATER/GCMS		SNANIL	₹ 64	15-oct-96	16-ocr-96	v	4.3	룍
ő	ORGANICS/WATER/GCMS		ZNP	3	04-0CT-96	08-0CT-96	v	3.7	덕
ő	ORGANICS/WATER/GCMS		ZNP	₹ 2	15-oct-96	16-0CT-96	v	3.7	덩
ŏ	DRGANICS/WATER/GCMS		330CBD	₹ 9	04-0CT-96	08-0CT-96	v	12	렬
ð	ORGANICS/WATER/GCMS		330CBD	<u> </u>	15-oct-96	16-0CT-96	v	12	펄
ŏ	ORGANICS/WATER/GCMS		SNANIL	3	04-0CT-96	08-0CT-96	v	4.9	펄
6	ORGANICS/WATER/GCMS		SNANIL	₹ 2	15-0CT-96	16-0CT-96	v	6-7	털
6	ORGANICS/WATER/GCMS		46DN2C	S.	04-0CT-96	08-0CT-96	v	17	껸

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Method Description		ORGANICS/WATER/GCMS	ORGANICS/WATER/GCMS	ORGANICS/WATER/GCMS	ORGANICS/WATER/GCMS	ORGANICS/WATER/GCMS	ORGANICS/WATER/GCMS	ORGANICS/WATER/GCMS	ORGANICS/WATER/GCMS	ORGANICS/WATER/GCMS	ORGANICS/WATER/GCMS	ORGANICS/WATER/GCMS	ORGANICS/WATER/GCMS	ORGANICS/WATER/GCMS	ORGANICS/WATER/GCMS	ORGANICS/WATER/GCMS	ORGANICS/WATER/GCMS	ORGANICS/WATER/GCMS	ORGANICS/WATER/GCMS	ORGANICS/WATER/GCMS	ORGANICS/WATER/GCMS	ORGANICS/WATER/GCMS	ORGANICS/WATER/GCMS	ORGANICS/WATER/GCMS	ORGANICS/WATER/GCMS	ORGANICS/WATER/GCMS	ORGANICS/WATER/GCMS	ORGANICS/WATER/GCMS	ORGANICS/WATER/GCMS	ORGANICS/WATER/GCMS	ORGANICS/WATER/GCMS	ORGANICS/WATER/GCMS	ORGANICS/WATER/GCMS	ORGANICS/WATER/GCMS	ORGANICS/WATER/GCMS	COCALIZOR ALATER ACTUR	CE. FINAL STREET
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Appendix D-3 Table: D-2 METHOD BLANKS (WATER) FT. DEVENS DV4 1996

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Contractor	ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES	ABB-ES AB

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IRDMIS Method Code	UM20																																	
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ontractor	BB-ES	WBB-ES	ABB-ES	BB-ES	BB-ES	BB-ES	BB-ES	BB-ES	88-ES	188-ES	RR-FS	RR-FS	BB-ES	88-ES	BB-ES	88-ES	BB-ES																	

Appendix D-3 Table: D-2 METHOD BLANKS (WATER) FT. DEVENS DV4 1996

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APPENDIX D-3 TABLE D-3 ELEMENTS DETECTED IN SOIL METHOD BLANKS

1995 AOC 57 AND 69W REMEDIAL INVESTIGATION FORT DEVENS, MASSACHUSETTS

ELEMENT	FREQUENCY OF DETECTION	Concentration Range (µg/g)	CRL (µg/g)
Aluminum	1/1	636	14.1
Barium	1/1	13.4	29.6
Calcium	1/1	421	3.05
Lead	1/1	.649	1.26
Copper	1/1	1.01	58.6
Iron	1/1	1160	42.7
Potassium	1/1	215	37.5
Magnesium	1/1	202	50.0
Manganese	1/1	27.3	0.275

APPENDIX D-3 TABLE D-4 VOCS DETECTED IN METHOD BLANKS FOR SOIL

1995 AOC 57 AND 69W REMEDIAL INVESTIGATION FORT DEVENS, MASSACHUSETTS

COMPOUND	FREQUENCY OF DETECTION	Concentration Range (µg/g)	CRL (µg/g)
Target VOCs			
Acetone	1/3	0.017	0.017
Methylene Chloride	3/3	0.0015 - 0.0039	0.012
VOC TICs			•
Trichlorofluoromethane	1/3	0.011	NA

APPENDIX D-3 TABLE D-5 SVOCS DETECTED IN SOIL BLANKS

1995 AOC 57 AND 69W REMEDIAL INVESTIGATION FORT DEVENS, MASSACHUSETTS

Сомроино	FREQUENCY OF DETECTION	Concentration Range (µg/g)	CRL (µg/g)
SVOC TICs			
Dioctyl adipate	1/3	3	Not determined
heptacosane	2/3	0.3	Not determined

APPENDIX D-3 TABLE D-6 PESTICIDES DETECTED IN METHOD BLANKS FOR WATER

COMPOUND	DETECTION	(μg/L)	(vg/L)
	FREQUENCY OF	CONCENTRATION RANGE	60 (

APPENDIX D-3 TABLE D-7 PESTICIDES DETECTED IN METHOD BLANKS FOR SOIL

COMPOUND	FREQUENCY OF DETECTION	Concentration Range (µg/L)	CRL (µg/L)
alpha-Chlordane	1/2	0.00596	0.005
gamma-Chlordane	2/2	0.00655 - 0.0108	0.005

Appendix D-3 Table: D-8 RINSE BLANKS FT. DEVENS DV4 1996

Field Sample Lab Test Sample Number Number Name Lot Date Number Name Lot Date Sample Number Name Lot Date Saky6540 DV44#540 TPHDSL PEAX 03-SEP-96 SBK96540 DV44#540 TPHDSL PEAX 03-SEP-96 SBK96540 DV44#540 TPHDSL PEAX 03-SEP-96 SBK96540 DV44#540 HG QJJF 03-SEP-96 SBK96540 DV44#540 PB WCQH 03-SEP-96 SBK96540 DV44#540 PB WCQH 03-SEP-96 SBK96540 DV44#540 PCB21 SDF 03-SEP-96 SBK96540 DV44#540 PCB21 SDF 03-SEP-96 SBK96540 DV44#540 PCB21 SDF 03-SEP-96 SBK96540 DV44#540 PCB22 SDF 03-SEP-96 SBK96540 DV44#540 PCB22 SDF 03-SEP-96 SBK96540 DV44#540 PCB22 SDF 03-SEP-96 SBK96540 DV44#540 PCB22 SDF 03-SEP-96 SBK96540 DV44#540 PCB22 SDF 03-SEP-96 SBK96540 DV44#540 PCB22 SDF 03-SEP-96 SBK96540 DV44#540 PCB22 SDF 03-SEP-96 SBK96540 DV44#540 PCB244 SDF 03-SEP-96 SBK96540 DV44#540 PCB244 SDF 03-SEP-96 SBK96540 DV44#540 PCB244 SDF 03-SEP-96 SBK96540 DV44#540 PCB244 SDF 03-SEP-96 SBK96540 DV44#540 PCB244 SDF 03-SEP-96 SBK96540 DV44#540 PCB244 SDF 03-SEP-96 SBK96540 DV44#540 PCB244 SDF 03-SEP-96 SBK96540 DV44#540 PCB244 SDF 03-SEP-96 SBK96540 DV44#540 PCB244 SDF 03-SEP-96 PCB244 SDF 03-SEP-96 PCB244 SDF 03-SEP-96 PCB244 SDF 03-SEP-96 PCB244 SDF 03-SEP-96 PCB244 SDF 03-SEP-96 PCB244 SDF 03-SEP-	IRDMIS Field Number Nu	sis	2-96 < 1000 UGL	2-96 < 181 UGL	2-96 < 340 UGL	2.96 < .236 UGL	2-96 < 7.72 UGL	2-96 < 1.37 UGL	2-96 < 3.22 UGL	2.71 UGL	2.71 UGL	
IRDMIS	IRDMIS Field Number Code Site ID Number Number Number Number Site ID Number Number Site ID Number Number Site ID Number Site ID Number Site ID Site ID Site September Site ID Site September Site	Sample Date			PEAX PEAX	QJJF 03-SEP-96 10-SEP-96	UCBG 03-SEP-96 12-SEP-96	WCQH 03-SEP-96 12-SEP-96	XCGH 03-SEP-96 12-SEP-96	YCLH 03-SEP-96 12-SEP-96	NFIF 03-SEP-96 12-SEP-96	888888
18 Site 10 Sit	IRDMIS STEE ID Code Site ID CODE STEE ID CODE STEE ID CODE STEE ID CODE STEE ID CODE STEE ID CODE STEE ID CODE STEE ID STEE STEE STEE STEE STEE STEE STEE STE		DV44*540	DV44*540		DV4W*540	DV44*540		DV4W*540		DV4W*540	0744*540 0744*540 0744*540 0744*540 0744*540
SB015 SD09 SD20 SD20 SD22 SD28 SD28 UH02					SBK-96-540 SBK96540 SBK-96-540 SBK96540			SBK-96-540 SBK96540			SBK-96-540 SBK96540	
	METALS/WATER/CVAA METALS/WATER/CVAA METALS/WATER/GFAA METALS/WATER/GFAA METALS/WATER/GFAA METALS/WATER/GFAA METALS/WATER/GFAA METALS/WATER/GFAA PESTICIDES/WATER/GCC	IRDMIS Method Code	4151	4181	8015	SB01	800s	SD20	SD21	SD22	SD28	UHOZ

Appendix D-3 Table: D-8 RINSE BLANKS FT. DEVENS DV4 1996

Unit	
Value Ur	2.883.4446
v	
Analysis Date	\$\frac{1}{2}\$\frac
Sample Date	33.85.86.86.86.86.86.86.86.86.86.86.86.86.86.
Lot D	
Test Name	2CLP 2MNAP 2MNAP 2MNAP 2MNAIL 2NANIL 2NANIL 4BRPPE 4CLBC 4CLPC 4CL
Lab Number	0752475/AQ 0752475/AQ
IRDMIS Field Sample Number	SBK96540 SBK96540
IRDMIS Site ID	SEC. 96-540 SEC. 9
IRDMIS Method Code	1818
Method Description	ORGANICS/WATER/GCMS ORGANICS/WATER/GCMS
p p	ABB-ES O ABB

Appendix D-3 Table: D-8 RINSE BLANKS FT. DEVENS DV4 1996

Unit	<u>ਫ਼</u>
Value U	2
v	
Analysis Date	77777777777777777777777777777777777777
Sample Date	23. 25. 25. 25. 25. 25. 25. 25. 25. 25. 25
Lot	
Test Name	
Lab Number	075447700 07544700 07544700 07544700 07544700 07544700 07544700 07544700 075
IRDMIS Field Sample Number	SBK96540 SBK
IRDMIS Site ID	88.4.8.5.5.0 88.4.8.5.0 88.4.8.0 88.4.8.5.0 88.4.8.0 8
IRDMIS Method Code	24 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
Method Description	CRGANICS/WATER/GCMS CRGANI
Contractor	ABB + 55 ABB

Appendix D-3 Table: D-8 RINSE BLANKS FT. DEVENS DV4 1996

Value Unit				4.7 UGL			
Sample Amalysis Date Date <	13-SEP-96 <	13-SEP-96 <	13-SEP-96 <	13-SEP-96 <	13-SEP-96 <	13-SEP-96 <	13-SEP-96 <
Sample Lot Date	WDDM 03-SEP-96 13-SEP-96 <	MDDM 03-SEP-96	MDDM 03-SEP-96	4DDM 03-SEP-96	NDDM 03-SEP-96	MDDM 03-SEP-96	MDDM 03-SEP-96
Test	PHANTR	PHENOL	- QQQdd	PPDDE	PPDDT	PYR	TXPHEN
Lab Number	DV4W*540	DV4W*5/	DV414*5/	DV414*5	DV4W*5/	DV4W*5/	DV44*5/
IRDMIS Field Sample Number	SBK-96-540 SBK96540) SBK96540) SBK96540) SBK96540) SBK96540) SBK96540) SBK96540
IRDMIS Site ID	SBK-96-54(SBK-96-54(SBK-96-54(SBK-96-54(SBK-96-54(SBK-96-54(SBK-96-540
IRDMIS Method Code	UM18						
Contractor Method Description	~	ORGANICS/WATER/GCMS	ORGANICS/WATER/GCMS	ORGANICS/WATER/GCMS	ORGANICS/WATER/GCMS	ORGANICS/WATER/GCMS	ORGANICS/WATER/GCMS
Contractor							ABB-ES

Appendix D-3 Table: D-9 TRIP BLANKS FT. DEVENS DV4 1996

IRDMIS Site ID	TBK-96-197	TBK-95-565	TBK-96-561	TBK-96-197	TBK-95-565	TBK-96-561	TBK-96-197	TBK-95-565	TBK-96-561	TBK-96-197	TBK-95-565	TBK-96-561	TBK-96-197	TBK-95-565	TBK-96-561	TBK-96-197	TBK-95-565	TBK-96-561	TBK-96-197	TBK-95-565	TBK-96-561	TBK-96-197	TBK-95-565	TBK-96-561	TBK-96-197	TBK-95-565	TBK-96-561	TBK-96-197	TBK-95-565	TBK-96-561	TBK-96-197	TBK-95-565	TBK-96-561	TBK-96-197	TBK-95-565
Value Unit	.5 UGL	.5 UGL	.5 UGL			1.3 UGL		.47 UGL		.69 UGL										T90 67"															.58 UGL
Analysis Date <	09-0CT-96 <	09-0CT-96 <	30-AUG-96 <	> 96-130-60	o9-0c1-96 <	30-AUG-96 <	09-0CI-96 <	09-0CI-96 <	30-AUG-96 <	09-0CT-96 <	09-0CT-96 <	30-AUG-96 <	09-0CT-96 <	09-0CT-96 <	30-AUG-96 <	09-0CT-96 <	09-0CI-96 <	30-AUG-96 <	09-0CI-96 <	09-0CI-96 <	30-AUG-96 <	09-0CT-96 <	09-0CI-96 <	30-AUG-96 <	09-0CT-96 <		30-AUG-96 <	09-0CI-96 <	09-0CT-96 <	30-AUG-96 <	09-0CT-96 <	× 96-130-60	30-AUG-96 <	09-001-96 <	09-0CI-96 <
Prep Date	. –	_		09-0CT-96	09-0CT-96	30-AUG-96	09-0CT-96	09-0CT-96	30-AUG-96	09-0CT-96	09-0CT-96	30-AUG-96	09-0CT-96	09-0CT-96	30-AUG-96	09-0CT-96	99-DCT-96	30-AUG-96	99-DCT-96	09-0CT-96	30-AUG-96	39-0CT-96	39-0CT-96	30-AUG-96	09-0CT-96		30-AUG-96	39-0CT-96	39-0CI-96	30-AUG-96	_	_	30-AUG-96	. 09-0CT-96	96-0CT-96
Sample Date		_	•	_	_	•	_	_		7 03-0CT-96	3 02-OCT-96	1 22-AUG-96	7 03-0CT-96		. 22-AUG-96	7 03-OCT-96	5 02-0CT-96	1 22-Aug-96	7 03-0CT-96			7 03-0CT-96 (5 02-0CT-96	22-Aug-96		_		7 03-0CT-96 (_	5 02-0CT-96	1 22-AUG-96	7 03-0CT-96	6 02-0CT-96
Lab Number	DV5W*197	DV4W*565	DV4W*561	DV5W*197	DV4W*565	DV4W*561	DV5W*197	DV4W*565	DV4W*561	DV5W*197	DV4W*565	DV4W*56'	DV5W*197	DV4W*565	DV4W*561	DV5W*197	DV4W*565	DV4W*561	DV5W*197	DV4W*565	DV4W*561	DV5W*197	DV4W*565	DV4W*561	DV5W*197	DV4W*565	DV4W*561	DV5W*197	DV4W*565	DV4W*561	DV5W*197	DV4W*565	DV4W*561	DV5W*197	DV44*565
IRDMIS Field Sample Number	TBK96197	TBK96565	TBK96561	TBK96197	TBK96565	TBK96561	TBK96197	TBK96565	TBK96561	TBK96197	TBK96565	TBK96561	TBK96197	TBK96565	TBK96561	TBK96197	TBK96565	TBK96561	TBK96197	TBK96565	TBK96561	TBK96197	TBK96565	TBK96561	TBK96197	TBK96565	TBK96561	TBK96197	TBK96565	TBK96561	TBK96197	TBK96565	TBK96561	TBK96197	TBK96565
Test ot Name	XDKS 111TCE	~	•	•	•	•	•	-		KS 11DCLE						KS 12DCLE	LS 12DCLE	VR 12DCLE	KS 12DCLP	LS 12DCLP	VR 120CLP	KS 2CLEVE	LS 2CLEVE	VR 2CLEVE		LS ACET	VR ACET		LS ACROLN	XDVR ACROLN		XDLS ACRYLO		KDKS BRDCLM	
IRDMIS Method Code Lo	UMZ0 XD	욧	2	2	Q	Q	욧	2	욧	9	욧	욧	8	Q	2	Q	Q	욧	Q	8	Ą	Ø	Q	8	g	Q	夂	Q	Q	2	Ź	Q	욧	Ŕ	Ą
Contractor	ABB-ES	ABB-ES	ABB-ES	ABB-ES	ABB-ES	ABB-ES	ABB-ES	ABB-ES	ABB-ES	ABB-ES	ABB-ES	ABB-ES	ABB-ES	ABB-ES																					

Appendix D-3 Table: D-9 TRIP BLANKS FT. DEVENS DV4 1996

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IRDMIS Site ID	展子・255 187 187 187 187 187 187 187 187	
Value Unit	######################################	
Analysis Date	30-01-96 × 000-96 × 000-96 × 0	
Prep Date	30-Aug-96 30-Aug-96	
Sample Date	22-A46-96 22-A46-96 23-A46-96 Lab Number	0.54,47567 0.54,47567
IRDMIS Field Sample Number	TBK96561 TBK96561	
Test Lot Name	XOVE BROCLM XOVE C130CP XOUS C130CP XOVE C130CP XOVE C130CP XOVE C2AVE XOVE C2AVE XOVE C2AVE XOVE C2H3CL XOVE C2H3CL XOVE C2H3CL XOVE C2H3CL XOVE C2H3CL XOVE C2H3CL XOVE C2H3CL XOVE C2H3CL XOVE C2H3CL XOVE C2H3CL XOVE C13F XOV	
	UMZO	
Contractor	ABB - 55 AB	

Appendix D-3 Table: D-9 TRIP BLANKS FT. DEVENS DV4 1996

IRDMIS Site ID	IR-8-555 IR-
Value Unit	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
Analysis Date <	2. 20 AUG-96
Prep Date	28 30 AUG-96 29 30 AUG-96 20 30
Lab Sample Number Date	DVKIP*565 02-007-96 DVKIP*561 22-AUG-96 DVKIP*561 22-AUG-96 DVKIP*561 22-AUG-96 DVKIP*561 22-AUG-96 DVKIP*561 22-AUG-96 DVKIP*565 02-007-96 DVKIP*561 22-AUG-96 DVKIP*561 22-AUG-96 DVKIP*561 22-AUG-96 DVKIP*561 22-AUG-96 DVKIP*561 22-AUG-96 DVKIP*561 22-AUG-96 DVKIP*565 02-007-96 DVKIP*561 22-AUG-96 DVKIP*565 02-007-96 DVKIP*565 02-007-96 DVKIP*565 02-007-96 DVKIP*565 02-007-96 DVKIP*565 02-007-96 DVKIP*565 02-007-96 DVKIP*561 22-AUG-96 DVKIP*562 22-AUG-96 DVKIP*562 22-AUG-96 DVKIP*562 22-AUG-96 DVKIP*562 22-AUG-96 DVKIP*562 22-AUG-96 DVKIP*562 22-AUG-96 DVKIP*562 22-AUG-96 DVKIP*562 22-AUG-96 DVKIP*562 22-AUG-96 DVKIP*562 22-AUG-96 DVKIP*562 22-AUG-96 DVKIP*562 22-AUG-96 DVKIP*562 22-AUG-96 DVKIP*
	8896565 DV44 8896565 DV44 8896565 DV44 8896565 DV44 8896565 DV44 8896565 DV44 8896565 DV44 8896561 DV44 8896561 DV44 8896561 DV44 8896565 DV44 8896561 DV44
	AOUS CLCGHI AOUS CLCGHI AOUS CLCGHI AOUS CLCGHI AOUS CLCGHI AOUS CLCGHI AOUS CLCGHI AOUS CLCGHI AOUS CLCGHI AOUS BRCL AOUS BRCL AOUS BRCL AOUS BRCL AOUS BRCL AOUS BRCL AOUS BRCL AOUS BRCCHI AOUS BRCCHI AOUS AIBK AOUS MIBK AOUS MIBK AOUS MIBK AOUS MIBK AOUS MIBK AOUS MIBK AOUS AIBK AOUS AIR AOUS AIBK AOUS AIR AOUS AIBK AOUS AIR AIBK AOUS AIR AIBK AOUS AIR AIBK AOUS AIR AIBK AOUS AIR AOUS AIR AIBK AOUS AIR AIR AOUS OUS AIR AIR AOUS AIR AIR AOUS AIR AIR AIR AOUS AIR AIR AOUS AIR AIR AOUS AIR AIR AOUS AIR AIR AOUS AIR AIR AOUS AIR AIR AOUS AIR AIR AOUS AIR AIR AOUS AIR AIR AIR AIR AIR AOUS AIR AIR AIR AIR AIR AIR AIR AIR AIR AIR
IRDMIS Method ctor Code	EA20
Contractor	ABB-ES AB

Appendix D-3 Table: D-9 TRIP BLANKS FT. DEVENS DV4 1996

ا 1 ع	5-197	5-565	5-561	5-197	5-565	5-561	5-197	5-565	5-561	5-197	5-565	5-561
IRDMIS Site ID	TBK-96-197	1BK-9	1BK-9	TBK-9	TBK-9	TBK-9	1BK-9	18K-9	TBK-9	TBK-9	TBK-95-565	TBK-96-561
/alue Unit	J D	걸	ם	g Ne	Ger	. GEF	일 2	S UGL	s UGL	, UGL	, UGP	, UGL
Value	u ;	41	Ψ;	1.6	7.	1.6	34.	37.	37.	κ.	κ.	ĸ.
v ;	٧	Y	v	٧	٧	v	٧	٧	٧	٧	٧	٧
Analysis Date	7 03-0CT-96 09-0CT-96 09-0CT-96 <	09-OCT-96	30-AUG-96	09-0CT-96	09-0CT-96	30-AUG-96	09-OCT-96	09-OCT-96	30-AUG-96	09-OCT-96	02-0CT-96 09-0CT-96 09-0CT-96	22-AUG-96 30-AUG-96 30-AUG-96
Prep Date	9-100-6	2-0CT-96)-AUG-96	2-0CT-96	2-0cT)-AUG-96	2-0CT-96	9-DCT-96	3-AUG-96	2-0CT-96	2-0CT-96	96-9nV-(
25.	9	8	63	8	8	93	8	9	93	8	9	9
Sample Date	03-0CT-9	02-0CT-9	22-AUG-9	03-0CT-9	02-0CT-9	22-AUG-9	03-0CT-9	02-0CT-9	22-AUG-9	03-0CT-9	02-oct-9	22-AUG-9
Lab Number	DV54*197	DV4W*565	DV4W*561	DV5W*197	DV4W*565	DV4W*561	DV5W*197	DV4W*565	DV4W*561	DV5W*197	DV4W*565	DV4W*561
IRDMIS Field Sample Number	TBK96197	TBK96565	TBK96561	TBK96197	TBK96565	TBK96561	TBK96197	TBK96565	TBK96561	TBK96197	TBK96565	TBK96561
Test Name	TCLEA	TCLEA	TCLEA	TCLEE	TCLEE	TCLEE	TRCLE	TRCLE	TRCLE	XYLEN	XYLEN	XYLEN
Lot	XDKS	XDLS	X	XDKS	XDLS	XOVR	XDKS	XDLS	X	XDKS	XDLS	X
IRDMIS Method Code	UM20											
Contractor	ABB-ES	ABB-ES	ABB-ES	ABB-ES	ABB-ES	ABB-ES	ABB-ES	ABB-ES	ABB-ES	ABB-ES	ABB-ES	ABB-ES

Appendix D-3 Table: D-10 FT. DEVENS DV4 1996 MS/MSD RESULTS

RPO	2.2	63.3 2.6 2.6 3.6 4.3 5.3 5.3 5.3 5.3 5.3 5.3 5.3 5.3 5.3 5	34.7 2.7.7 2.7.7	15.4	.0 47.3 47.3
Percent Recovery	98000.0 96000.0 97000.0 96000.0	134.2 69.7 115.4 112.4 107.9 69.7	108.3 76.3 93.6 91.1 92.3 76.3 108.3	107.6 92.2 92.2 107.6	95.4 95.4 4.0 2.5
Original Sample Value Unit	1.660E+09 UGL 1.660E+09 UGL	7.98 UGG 7.98 UGG 7.98 UGG 7.98 UGG	8 UGG 8 UGG 8 UGG 7 V	792 UGG 792 UGG	27.8 UGG 27.8 UGG 18300 UGG 18300 UGG
Value <	196000000	591 < 307 < 508 < 495 <	440 < 310 < 380 < 370 < 370 <	2220 2070	1070 < 1070 < 1800 1110
Spike Value	200000	233 233 239. 239.	765 767 767 767	2720	1270 1270 47300 47300
Analysis Date	% 14-0CT-96	76 29-AUG-96 76 29-AUG-96 76 08-SEP-96 76 08-SEP-96	29-AUG-96 26-29-AUG-96 26 08-SEP-96 26 08-SEP-96	36 16-SEP-96	36 18-SEP-96 36 18-SEP-96 36 12-SEP-96 36 12-SEP-96
Sample Lot Date	ZKGN 02-0CT-96	gefu 21-aug-96 gefu 21-aug-96 gexu 29-aug-96 gexu 29-aug-96	OEFU 21-AUG-96 OEFU 21-AUG-96 OEXU 29-AUG-96 OEXU 29-AUG-96	ZEMO 27-AUG-96 ZEMO 27-AUG-96	ZELO 23-AUG-96 ZELO 23-AUG-96 ZEHO 21-AUG-96 ZEHO 21-AUG-96
Lab Number	DV44*537	DV4S*519 DV4S*519 DV4S*525 DV4S*525	DV4S*519 DV4S*515 DV4S*525 DV4S*525	DV4S*530 DV4S*530	DV4S*501 DV4S*501 DV4S*519 DV4S*519
IRDMIS Field Sample Number	X MX5703X3	IX EX573106 IX EX573106 IX BX570905 IX BX570905	X EX573106 X EX573106 X BX570905 X BX570905	% BX570914 % BX570914	5X BXZW0310 5X BXZW0310 1X EX573106 1X EX573106
IRDMIS Site ID	57N-95-03X 57N-95-03X **	57E-96-31X 57E-96-31X 57B-96-09X 57B-96-09X **	57E-96-31X 57E-96-31X 57B-96-09X 57B-96-09X **	57A-96-09X 57A-96-09X **	ZWB-96-03X ZWB-96-03X 57E-96-31X 57E-96-31X
Test Name	HARD HARD HARD ************************************	DIESEL DIESEL DIESEL ***********************************	TPHGAS TPHGAS TPHGAS TPHGAS ************************************	TOC TOC ********************************	1PHC 1PHC 1PHC 1PHC
IRDMIS Method Code	1302 1302	8015 8015 8015 8015	8015 8015 8015 7108 8105	0906	9071 9071 9071 9071
Contractor Method Description	ABB-ES ABB-ES	ABB-ES ABB-ES ABB-ES ABB-ES	ABB-ES ABB-ES ABB-ES ABB-ES	ABB-ES	ABB-ES ABB-ES ABB-ES ABB-ES
ರ	. 44	ददद द	~~~	₹₹	444

Appendix D-3 Table: D-10 FT. DEVENS DV4 1996 MS/MSD RESULTS

Percent Recovery RPD	100.1 100.1 66.2 2.5 100.1	76.0 1.8 74.7 1.8 75.4 74.7 76.0	86.6 87.8 87.2 86.6 87.8	96.5 12.4 85.2 12.4 90.8 85.2 96.5	68.1 25.5 52.7 25.5 60.4 52.7
	27.8 UGG 27.8 UGG	.05 UGG .05 UGG	.25 UGG .25 UGG	3.95 UGG 3.95 UGG	8.39 UGG 8.39 UGG
	1120 <	.296 <	3.35 <	3.25	2.6 2.05
Spike Value	1370 1370	.485	4.86	4.86	4.67 4.76
	6 25-SEP-96 6 25-SEP-96	5 15-SEP-96 5 15-SEP-96	6 24-SEP-96 6 24-SEP-96	29-Aug-96 24-SEP-96 29-Aug-96 24-SEP-96	29-AUG-96 25-SEP-96 29-AUG-96 25-SEP-96
Sample Date	ZENO 29-AUG-92 ZENO 29-AUG-92	анон 29-аив-96 анон 29-аив-96	MBCG 29-AUG-96 (0880 0880	08LG 08LG
Lab Number	DV4S*525 DV4S*525	DV4\$*525 DV4\$*525	DV4S*525 DV4S*525	DV4S*525 DV4S*525	DV4S*525 DV4S*525
IRDMIS Field Sample Number	K BX570905	K BX570905 K BX570905	K BX570905	K BX570905	K BX570905 K BX570905
IRDMIS Site ID	578-96-09X 578-96-09X *	578-96-09X 578-96-09X *	578-96-09X 578-96-09X *	578-96-09X 578-96-09X *	578-96-09X 578-96-09X *
Test Name	TPHC TPHC ************* avg minimum	HG HG ******** avg minimum maximum	SE SE ******** avg minimum maximum	P8 ********* avg minimum maximum	AS As ********* avg minim
IRDMIS Method Code	9071	J801	2015 2101	710r 710r	JD19 JD19
Contractor Method Description		METALS/SOIL/CVAA METALS/SOIL/CVAA	METALS/SOIL/GFAA METALS/SOIL/GFAA	METALS/SOIL/GFAA METALS/SOIL/GFAA	METALS/SOTL/GFAA METALS/SOTL/GFAA
Contracto	ABB-ES	ABB-ES ABB-ES	ABB-ES ABB-ES	ABB-ES	ABB-ES ABB-ES

Appendix D-3 Table: D-10 FT. DEVENS DV4 1996 MS/MSD RESULTS

P	o.o.	77	, v.v.	193.6 193.6	ж. 1.1.	1.1
Percent Recovery	% % % % % %	96.2 96.2 96.2 96.2	92.6 88.0 90.3 88.0 92.6	84 - 18 18 - 18 18 - 18 18 - 18	97.8 94.8 94.8	101.0
Original Sample Value Unit	.5 UGG	1.09 UGG 1.09 UGG	1.12 UGG	5610 UGG 5610 UGG	13.3 UGG 13.3 UGG	.5 UGG
Value <	3.81 × 3.66 ×	7.61 < 7.56 <	6.76	2.35	57.2 54.6	49.2 <
Spike Value	4.86	9.69	9.54	239	71.6	59.6
Analysis Date	29-Aug-96 24-sep-96 29-Aug-96 24-sep-96	% 23-SEP-96 36 23-SEP-96	% 26-SEP-96 % 26-SEP-96	% 26-SEP-96 % 26-SEP-96	% 26-SEP-96 % 26-SEP-96	36 26-SEP-96
Sample Lot Date	RBSB RBSB	5 SBXB 29-AUG-96	5 UBNI 29-AUG-96 5 UBNI 29-AUG-96	5 ubni 29-aug-96	5 ubni 29-aug-96 15 ubni 29-aug-96	DV4S*525 UBNI 29-AUG-96 26-SEP-96
Lab Number	DV4S*525	DV4S*525 DV4S*525	DV4S*525 DV4S*525	DV4S*525	0V4S*525 0V4S*525	DV45*52
IRDMIS Field Sample Number	X BX570905 X BX570905	X BX570905 X BX570905	% BX570905 % BX570905	X BX570905 X BX570905	X BX570905	X BX570905
IRDMIS Site ID	578-96-09X 578-96-09X **	578-96-09X 578-96-09X **	578-96-09X 578-96-09X **	578-96-09X 578-96-09X **	578-96-09X 578-96-09X **	578-96-09X
Test	TL TL ********** avg minimum maximum	SB SB ********* avg mirimm maximum	AG AG ********* avg minimum maximum	AL AL ******** avg minimum maximum	BA BA ********* avg minimum maximum	38
IRDMIS Method Code	JD24 JD24	JD25 JD25	JS16 JS16	JS16 JS16	JS16 JS16	JS16
ا ج						
Contractor Method Description	METALS/SOIL/FURNACE METALS/SOIL/FURNACE	METALS/SOIL/FURNACE METALS/SOIL/FURNACE	METALS/SOIL/ICP METALS/SOIL/ICP	METALS/SOIL/ICP METALS/SOIL/ICP	METALS/SOIL/ICP METALS/SOIL/ICP	METALS/SOIL/1CP

Appendix D-3 Table: D-10 FT. DEVENS DV4 1996 MS/MSD RESULTS

Contractor	Contractor Method Description	IRDMIS Method Code	Test Name		IRDMIS Field Sample Number	Lab Number Lot	Sample A Date D	Analysis Date	Spike Value	O Value <	Original Sample Value Unit	Percent Recovery	8
ABB-ES	METALS/SOIL/ICP	JS16	BE ******** avg minimum maximum	578-96-09X	92	10	29-AUG-96	26-SEP-96	58.8	> 87	. 5 UGG	29.9 100.5 101.0	=
ABB-ES ABB-ES	METALS/SOIL/ICP METALS/SOIL/ICP	JS16 JS16	CA ********** avg minimum	578-96-09X 578-96-09X	BX570905 BX570905	DV4S*525 UBNI DV4S*525 UBNI	29-Aug-96 29-Aug-96	26-SEP-96 26-SEP-96	5960 5880	4800 4660	292 UGG 292 UGG 	98.6 97.0 97.8 97.8 97.0	6.1.
ABB-ES ABB-ES	METALS/SOIL/ICP METALS/SOIL/ICP	JS16 JS16	CO CO *********************************	578-96-09X 578-96-09X	BX570905 BX570905	DV4S*525 UBNI DV4S*525 UBNI	29-Aug-96 26-sep-96 29-Aug-96 26-sep-96	26-SEP-96 26-SEP-96	59.6 58.8	47.4 < 46.6 <	.7 UGG .7 UGG	97.3 97.0 97.2 97.3	44
ABB-ES ABB-ES	METALS/SOIL/ICP METALS/SOIL/ICP	JS16 JS16	CO CO ******** avg minimum maximum	578-96-09X	BX570905 BX570905	DV45*525 UBNI DV45*525 UBNI	29-Aug-96 29-Aug-96	26-SEP-96 26-SEP-96	119	91.9 89.6	2.7 UGG 2.7 UGG	94.5 92.9 93.7 92.9 94.5	1.7
ABB-ES ABB-ES	METALS/SOIL/ICP METALS/SOIL/ICP	JS16 JS16	CR CR *********************************	578-96-09X 578-96-09X	BX570905 BX570905	DV4S*525 UBNI DV4S*525 UBNI	29-Aug-96 29-Aug-96	26-SEP-96 26-SEP-96	118	93.9	7.57 UGG 7.57 UGG	96.6 93.6 93.6 96.6	33.2
ABB-ES ABB-ES	METALS/SOIL/ICP METALS/SOIL/ICP	JS16 JS16	CU CU *********************************	578-96-09X 578-96-09X	BX570905 BX570905	DV4S*525 UBNI DV4S*525 UBNI	29-Aug-96 26-sep-96 29-Aug-96 26-sep-96	26-SEP-96 26-SEP-96	59.6 58.8	45.8	5.47 UGG 5.47 UGG	98.4 95.3 96.9 95.3	พ.พ. ๕๕

Appendix D-3 Table: D-10 FT. DEVENS DV4 1996 MS/MSD RESULTS

RPD		198.1	9.6.	6.0 6.0	31.1	WW.	6.4
Percent Recovery	7.88	80.4 4.04 40.4 80.4	101.2 99.3 100.3 99.3	101.2 95.3 98.3 95.3	87.7 64.1 75.9 64.1 87.7	100.6 99.3 100.0 99.3	95.1 90.6
Original Sample Value Unit		6410 UGG 6410 UGG	521 UGG 521 UGG	1340 UGG 1340 UGG	65.2 UGG 65.2 UGG	505 UGG 505 UGG	7.3 UGG 7.3 UGG
Value <		782 3.68	4930 4770	4530 4580	42.7 30.8	0 <i>LL</i> 7	46.3
Spike Value		1180	5960 5880	5960 5880	59.6 58.8	5960 5880	59.6 58.8
Analysis Date		29-Aug-96 26-sep-96 29-Aug-96 26-sep-96	% 26-SEP-96 % 26-SEP-96	% 26-SEP-96 % 26-SEP-96	% 26-SEP-96 % 26-SEP-96	96 26-SEP-96 96 26-SEP-96	96 26-SEP-96 96 26-SEP-96
Sample Date			11 29-AUG-96 11 29-AUG-96	11 29-AUG-96 11 29-AUG-96 1	11 29-AUG-96 11 29-AUG-96	41 29-AUG-96 41 29-AUG-96	VI 29-AUG-96 VI 29-AUG-96
Lab Number Lot		DV4S*525 UBNI DV4S*525 UBNI	DV4S*525 UBNI DV4S*525 UBNI	DV4S*525 UBNI DV4S*525 UBNI	. DV4S*525 UBNI . DV4S*525 UBNI	DV4S*525 UBNI DV4S*525 UBNI	DV4S*525 UBNI DV4S*525 UBNI
IRDMIS Field Sample Number		X BX570905 X BX570905	x BX570905 x BX570905	X BX570905 X BX570905	x BX570905 x BX570905	X BX570905 X BX570905	X BX570905 X BX570905
IRDMIS Site ID	1 1 1 1 1 1 1 1	578-96-09X 578-96-09X *	578-96-09X	578-96-09X 578-96-09X *	578-96-09x 578-96-09x *	578-96-09X 578-96-09X *	578-96-09X 578-96-09X
Test Name	maximum	FE ************************************	K ************************************	MG MG *********************************	MN MN *********************************	NA NA *********************************	II II
IRDMIS Method Code	1 1 1 1 1 1	1816 1816	JS16 JS16	JS16 JS16	JS16 JS16	JS16 JS16	JS16 JS16
Contractor Method Description		METALS/SOIL/ICP MĘTALS/SOIL/ICP	METALS/SOIL/ICP METALS/SOIL/ICP	METALS/SOIL/ICP METALS/SOIL/ICP	METALS/SOIL/ICP METALS/SOIL/ICP	METALS/SDIL/ICP METALS/SDIL/ICP	METALS/SOIL/ICP METALS/SOIL/ICP
Contract	! ! ! ! ! ! !	ABB-ES ABB-ES	ABB-ES ABB-ES	ABB-ES ABB-ES	ABB-ES ABB-ES	ABB-ES	ABB-ES ABB-ES

Appendix D-3 Table: D-10 FT. DEVENS DV4 1996 MS/MSD RESULTS

tractor	Contractor Method Description	IRDMIS Method Code		IRDMIS Site ID	IRDMIS Field Sample Number	Lab Number L	Si Lot Di	Sample A Date D	Analysis Date	Spike Value	Value <	Original Sample Value Unit	Percent Recovery	RPD
i 1		1 1 4 1 1 1	**************************************	1 1 1 1 1 1 1 1		1 1 1 1 1 1 1 1	i ! !			·		i	92.8 90.6 95.1	
ABB-ES ABB-ES	METALS/SOIL/ICP METALS/SOIL/ICP	1516 1516	v v v******* avg minimum maximum	578-96-09X 578-96-09X	BX570905 BX570905	DV4S*525 U DV4S*525 U	UBNI 29	29-aug-96 26-sep-96 29-aug-96 26-sep-96	%-SEP-96	59.6 58.8	44.6	7.99 UGG 7.99 UGG	96.3 92.8 92.8 96.3	7.7
ABB-ES ABB-ES	METALS/SOIL/ICP METALS/SOIL/ICP	JS16 JS16	ZN ZN ************* avg minimum maximum	578-96-09X	BX570905 BX570905	DV4S*525 U DV4S*525 U	UBNI 29	29-AUG-96 2	26-SEP-96 26-SEP-96	119	88.6 88.6	17.8 UGG 17.8 UGG	93.6 91.9 91.9 93.7	3.0
ABB-ES ABB-ES	METALS/WATER/CVAA METALS/WATER/CVAA	SB01	HG HG ********** avg minimum maximum	57M-95-03X MX5703X3 57M-95-03X MX5703X3	MX5703X3 MX5703X3	DV4H*537 Q DV4H*537 Q	QJRF 0;	02-0C1-96 22-0C1-96 02-0C1-96 22-0C1-96	2-0CT-96 22-0CT-96	44	3.92 <	.243 UGL .243 UGL	98.0 96.0 97.0 98.0	2.1
ABB-ES ABB-ES	METALS/WATER/GFAA METALS/WATER/GFAA	8008 8009	TL TL ************** avg minimum maximum	57M-96-10X 57M-96-10X	MX5710X1 MX5710X1	DV4H*534 U DV4H*534 U	00 5930 00 0000 00 0000	02-0CT-96 2	29-0C1-96 29-0C1-96	000	11.2 < 11 <	Ten 66.9	112.0 110.0 111.0 112.0	8.6
ABB-ES ABB-ES	METALS/WATER/GFAA METALS/WATER/GFAA	SD 20 SD 20	PB PB *******	57M-96-10X MX5710X1 57M-96-10X MX5710X1	MX5710X1 MX5710X1	DV44*534 4 DV44*534 4	CVH C	WCVH 02-0CT-96 29-0CT-96 WCVH 02-0CT-96 29-0CT-96	29-0CT-96 29-0CT-96	07 07	41.8 < . 41.7 <	1.26 UGL 1.26 UGL	104.5	ที่ที่

Appendix D-3 Table: D-10 FT. DEVENS DV4 1996 MS/MSD RESULTS

RPD		2.01 2.5	9,9 v.v.	<u></u> ¤ ¤	0.0	1.4
Percent Recovery	104.4 104.3 104.5	88.9 88.9 88.9 83.6	106.4 104.0 105.2 104.0	102.5 100.6 101.6 100.6	104.0 103.0 103.5 103.0 104.0	105.0
Original Sample Value Unit		3.02 UGL 3.02 UGL	2.54 UGL 2.54 UGL	3.03 UGL 3.03 UGL	7.42 UGL 4.42 UGL	85 UGL 85 UGL
Value <		35.1 < 31.6 <	39.9 < 39 <	82 < 80.5 <	104 < 103 >	2100 2070
Spike Value		37.5	37.5 37.5	80 80	100	2000 2000
Analysis Date		02-0C1-96 02-NOV-96 02-0C1-96 02-NOV-96	96 O2-NOV-96 96 O2-NOV-96	02-0C1-96 30-0C1-96 02-0C1-96 30-0C1-96	96 23-001-96 96 23-001-96	96 23-0CT-96 96 23-0CT-96
Sample Lot Date		XCLH 02-0CT-	; YCQH 02-0CT-96 (NFKF	7 0GDE 02-0CT-96 ;	7 OCDE 02-OCT-96 27
Lab Number	P 5 6 1 5 1 1 4	DV4W*534 XCLH DV4W*534 XCLH	DV4H*534	DV4W*537 DV4W*537	DV44*537	DV4H*537 DV4H*537
IRDMIS Field Sample Number	; ; ; ; ; ; ;	0X MX5710X1 0X MX5710X1	0X MX5710X1 0X MX5710X1	GX MX5703X3	GX MX5703X3 GX MX5703X3	ISX MX5703X3 ISX MX5703X3
IRDMIS Site ID	t t t t t	57N-96-10X 57N-96-10X	57M-96-10X 57M-96-10X	57N-95-03X 57N-95-03X **	57N-95-03X 57N-95-03X **	57M-95-03X 57M-95-03X **
Test Name	avg minimum maximum	SE SE *********************************	AS AS ******** avg minimum maximum	SB SB ************ avg minimum maximum	AG AG ********** avg minimum maximum	AL AL *******
IRDMIS Method Code		SD21 SD21	\$022 \$022	\$028 \$028	SS18 SS18	SS18 SS18
Contractor Method Description		METALS/WATER/GFAA METALS/WATER/GFAA	METALS/WATER/GFAA METALS/WATER/GFAA	METALS/WATER/GFAA METALS/WATER/GFAA	METALS/WATER/ICP METALS/WATER/ICP	METALS/WATER/ICP METALS/WATER/ICP
Contract		ABB-ES ABB-ES	ABB-ES ABB-ES	ABB-ES ABB-ES	ABB-ES ABB-ES	ABB-ES ABB-ES

Appendix D-3 Table: D-10 FT. DEVENS DV4 1996 MS/MSD RESULTS

Contracto	Contractor Method Description	IRDMIS Method Code	Test Name	IRDMIS Site ID	IRDMIS Field Sample Number	į	Sample t Date	Analysis Date	Spike Value	Value <	Original Sample Value Unit	Percent Recovery	RPO
		• • • • • • • • • • •	avg minimum maximum]]] 4 4 4 1]	8 8 8 1 1 1 1 1	1 1 1 1 1 1 1 1 1 4) 	; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ;		104.3 103.5 105.0	1 1 1 2
ABB-ES ABB-ES	METALS/WATER/ICP METALS/WATER/ICP	SS18 SS18	BA BA ******** avg minimum maximum	57A-95-03X	MX5703X3 MX5703X3	DV44*537 OGDE DV44*537 OGDE	DE 02-0CT-96	5 23-0C1-96 5 23-0C1-96	500	518	87.2 UGL 87.2 UGL	102.4 102.4 103.0 103.6	2.5
ABB-ES ABB-ES	METALS/WATER/ICP METALS/WATER/ICP	SS18 SS18	BE BE ********* avg minimum maximum	57A-95-03X 57A-95-03X	MX5703X3 MX5703X3	DV44*537 OGDE	OGDE 02-OCT-96 (5 23-0C1-96 5 23-0C1-96	500	535 < 529 <	5 บด 5	105.8 106.4 105.8 107.0	===
ABB-ES ABB-ES	METALS/WATER/ICP METALS/WATER/ICP	SS18 SS18	CA CA *************** avg minimum	57M-95-03X 57M-95-03X	MX5703X3 MX5703X3	DV44*537 09 DV44*537 09	OGDE 02-OCT-96 2	5 23-0C1-96 5 23-0C1-96	50000 50000	52000 52000	7940 UGL 7940 UGL	104.6 104.3 104.3 104.0	જં જં
ABB-ES ABB-ES	METALS/WATER/ICP METALS/WATER/ICP	SS18 SS18	CD CD *********************************	57M-95-03X 57M-95-03X	MX5703X3 MX5703X3	DV4H*537 OGDE DV4H*537 OGDE	DE 02-0CT-90	02-0C1-96 23-0C1-96 02-0C1-96 23-0C1-96	500 500	503 501	8.67 UGL 8.67 UGL	100.6	44
ABB-ES ABB-ES	METALS/WATER/ICP METALS/WATER/ICP	SS18 SS18	CO CO ***************** avg minimum maximum	57A-95-03X 57A-95-03X	MX5703X3 MX5703X3	DV44*537 OGDE	DE 02-0CT-96 2	5 23-0CT-96 5 23-0CT-96	1000	1010 < 996 <	50 UGL 50 UGL	101.0 99.6 100.3 99.6	4.1

Appendix D-3 Table: D-10 FT. DEVENS DV4 1996 MS/MSD RESULTS

RPD	2.5	4.7.	0.0 0.0	1.2	1.0	ww ww
Percent Recovery	102.4 101.2 101.8 101.2 102.4	104.2 102.8 103.5 104.2	96.0 93.2 94.6 93.2	104.8 103.6 104.2 104.2 104.8	104.4 103.4 103.9 103.4	98.0
Original Sample Value Unit	190 96.9 190 96.9	3 ug. 3 ug.	12400 UGL 12400 UGL	2400 UGL 2400 UGL	1000 UGL 1000 UGL	790 994 190 994
Value <	256 < 253 <	521 < 514 <	0997	52400 51800	52200 < 51700 <	245
Spike Value	ର ର	500	2000	20000	50000	828
Analysis Date	6 23-0C1-96	02-0C1-96 23-0C1-96 02-0C1-96 23-0C1-96	% 23-0C1-96 % 23-0C1-96	% 23-0C1-96 % 23-0C1-96	02-0C1-96 23-0C1-96 02-0C1-96 23-0C1-96	% 23-0C1-96 % 23-0C1-96
Sample Lot Date	0GDE 02-0CT-96	9000	OGDE 02-0CT-96 OGDE 02-0CT-96	0GDE 02-0CT-96 2	980E	OGDE 02-OCT-96 (
Lab Number	DV4U*537	0V4H*537 0V4H*537	DV4W*537 DV4W*537	0V4W*537 0V4W*537	DV44*537 (DV44*537 (
IRDMIS Field Sample Number	X MX5703X3	X MX5703X3	X MX5703X3	X MX5703X3	X MX5703X3	SX MX5703X3 SX MX5703X3
HKOZ	57M-95-03X 57M-95-03X	57M-95-03X 57M-95-03X	57M-95-03X 57M-95-03X	57M-95-03X 57M-95-03X	57M-95-03X 57M-95-03X	57M-95-03X 57M-95-03X
HKOZ			-			
S d Test IRDMIS S Name Site ID N	57M-95-03X 57M-95-03X	57M-95-03X 57M-95-03X ***	57M-95-03X 57M-95-03X 6444444 inum inum	57M-95-03X 57M-95-03X	57M-95-03X 57M-95-03X intm intm	57M-95-03X 57M-95-03X
I IRDMIS F F Method Test IRDMIS S Method Description Code Name Site ID N	CR 57M-95-03X CR 57M-95-03X ************************************	CU 57M-95-03X 27M-95-03X ***********************************	FE 57M-95-03X FE 57M-95-03X ************************************	K 57M-95-03X K 57M-95-03X ************************************	MG 57M-95-03X MG 57M-95-03X ************************************	MN 57M-95-03X NN 57M-95-03X **********

Appendix D-3 Table: D-10 FT. DEVENS DV4 1996 MS/MSD RESULTS

RPO		<u></u>	1.2	1.2	oʻoʻ	4.4 <u>.</u>
Percent Recovery	%.8 98.0	106.2 104.6 105.4 106.2	104.4 103.2 103.8 103.2 104.4	103.6 102.4 103.0 102.4 103.6	0.00	94.5 94.5 94.8 94.5
Original Sample Value Unit		2290 UGL 2290 UGL	7.11 UGL 7.11 UGL	4.69 UGL 4.69 UGL	192 UGL 192 UGL	158 UGL 158 UGL
Value <		52300 <	261 < 258 <	259 < 256 <	1010	140
Spike Value		50000	250	220	1000	150
Analysis Date		02-0C1-96 23-0C1-96 02-0C1-96 23-0C1-96	% 23-0C1-% % 23-0C1-%	96 23-0C1-96 96 23-0C1-96	02-0C1-96 23-0C1-96 02-0C1-96 23-0C1-96	02-0C1-96 22-0C1-96 02-0C1-96 22-0C1-96
Sample Lot Date		999 999 9	7 ogde 02-oct-96 2 7 ogde 02-oct-96 3	7 0GDE 02-0CT-96 2 7 0GDE 02-0CT-96 3	0GDE 0GDE	260E 260E
Lab Number	1 1 1 1 1 1 1	DV4W*537 DV4W*537	DV44*537	DV44*537 DV44*537	DV4W*537 DV4W*537	DV4W*537 DV4W*537
IRDMIS Field Sample Number	f t t t t t t t t t t t t t t t t t t t	3X MX5703X3 3X MX5703X3	3X MX5703X3 3X MX5703X3	3X HX5703X3 3X HX5703X3	3X MX5703X3 3X MX5703X3	57M-95-03X MX5703X3 57M-95-03X MX5703X3
IRDMIS Site ID	f r t t t t t t t t t t t t t t t t t t	57M-95-03X 57M-95-03X *	57M-95-03X 57M-95-03X *	57M-95-03X 57M-95-03X *	57M-95-03X 57M-95-03X *	
Test Name	minimum maximum	NA NA ********* avg minimum maximum	NI NI ************* avg minimum maximum	V V **********************************	ZN ZN ************* avg minimum maximum	NIT NIT ********* avg minimum maximum
IRDMIS Method Code		SS18 SS18	SS18 SS18	SS18 SS18	SS18 SS18	1F22 1F22
Contractor Method Description	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	METALS/WATER/ICP METALS/WATER/ICP	METALS/WATER/ICP METALS/WATER/ICP	METALS/WATER/ICP METALS/WATER/ICP	METALS/WATER/ICP METALS/WATER/ICP	NIT/WATER/TECHNICON NIT/WATER/TECHNICON
Contract	t t t t t t t t t t t t t t t t t t t	ABB-ES ABB-ES	ABB-ES ABB-ES	ABB-ES ABB-ES	ABB-ES ABB-ES	ABB-ES ABB-ES

Appendix D-3 Table: D-10 FT. DEVENS DV4 1996 MS/MSD RESULTS

Test Name
NCKJEL 5/M-95-U3X MX5/U3X3 NZKJEL 57M-95-U3X MX5703X3 ***********************************
PO4 57N-95-03X MX5703X3 PO4 57N-95-03X MX5703X3 ************* avg minimum maximum
CB016 57M-95-03X MX5703X3 PCB016 57M-95-03X MX5703X3 ***********************************
PCB260 57M-95-03X MX5703X3 PCB260 57M-95-03X MX5703X3 ***********************************
AENSLF 57M-95-03X MX5703X3 DV4W*537 AENSLF 57M-95-03X MX5703X3 DV4W*537 ***********************************

Appendix D-3 Table: D-10 FT. DEVENS DV4 1996 MS/MSD RESULTS

RPD	2.2		5.0 0.0	2.1. 2.1.	18.9	ហំហំ
Percent Recovery	22 22 25 25 25 25	99 999 64 648	86.8 82.6 82.6 86.8	80.2 79.6 79.6 80.2	68.2 56.4 62.3 56.4 68.2	66.7
Original Sample Value Unit	.0918 UGL .0918 UGL	.023 UGL .023 UGL	.024 UGL .024 UGL	. 0238 UGL . 0238 UGL	. 0423 UGL . 0423 UGL	.0562 UGL .0562 UGL
Value <	.328 < .321 <	.424 <	.434 <	.395 <	.341 < .282 <	. 567 . 564 . 564
Spíke Value	សំសំ	ឃុំឃុំ	က်ကဲ	νìνi	က်ကုံ	
Analysis Date	6 30-001-96 6 30-001-96	02-0CT-96 30-0CT-96 02-0CT-96 30-0CT-96	6 30-001-96 6 30-001-96	6 30-0CT-96 6 30-0CT-96	02-0C1-96 30-0C1-96 02-0C1-96 30-0C1-96	02-0C1-96 30-0C1-96 02-0C1-96 30-0C1-96
Sample Lot Date	TDBG 02-0CT-96	708G 708G	TDBG 02-0CT-96 TDBG 02-0CT-96	108G 02-0CT-96 3	108G 1708G	108G 02-0CT-9 108G 02-0CT-9
Lab Number	DV4W*537	DV44*537 DV44*537	DV44*537 DV44*537	DV4H*537 DV4H*537	DV44*537 DV44*537	DV44*537 DV44*537
IRDMIS Field Sample Number	X MX5703X3 X MX5703X3	X MX5703X3 X MX5703X3	K MX5703X3 K MX5703X3	K MX5703X3 K MX5703X3	K MX5703X3 K MX5703X3	K MX5703X3 K MX5703X3
IRDMIS Site ID	57M-95-03X	57M-95-03X 57M-95-03X *	57M-95-03X 57M-95-03X *	57M-95-03X 57M-95-03X	57M-95-03X 57M-95-03X	57M-95-03X 57M-95-03X
Test Name	ALDRN ************ avg minimum maximum	BENSLF BENSLF ************************************	DLDRN OLDRN *********** avg minimum maximum	ENDRN ENDRN ********** avg minimum	HPCL HPCL ************************************	I SODR I SODR ********
IRDMIS Method Code	UH13 UH13	UH13 UH13	UH13 UH13	UH13 UH13	UH13 UH13	UH13 UH13
	PESTICIDES/WATER/GCEC PESTICIDES/WATER/GCEC	PESTICIDES/WATER/GCEC PESTICIDES/WATER/GCEC	PESTICIDES/WATER/GCEC PESTICIDES/WATER/GCEC	PESTICIDES/WATER/GCEC PESTICIDES/WATER/GCEC	PESTICIDES/WATER/GCEC PESTICIDES/WATER/GCEC	PESTICIDES/WATER/GCEC PESTICIDES/WATER/GCEC
Contracto	ABB-ES	ABB-ES ABB-ES	ABB-ES ABB-ES	ABB-ES ABB-ES	ABB-ES ABB-ES	ABB-ES ABB-ES

Appendix D-3 Table: D-10 FT. DEVENS DV4 1996 MS/MSD RESULTS

RP3		2.7	2.0	1.4
Percent Recovery	66.4 66.7	35.0 36.0 36.5 36.0 37.0	84.6 82.9 83.8 82.9 84.6	70.6 69.6 70.1 69.6 70.6
Original Sample Value Unit		.0507 ust.	.057 UGL	.034 UGL .034 UGL
Value <		. 185 × 18 × 18	.829 <	.353 <
Spike Value		κì κi		พ่พ่
Analysis Date		0V4W*537 TDBG 02-0CT-96 30-0CT-96 0V4W*537 TDBG 02-0CT-96 30-0CT-96	0V4N*537 TDBG 02-0CT-96 30-0CT-96 0V4N*537 TDBG 02-0CT-96 30-0CT-96	7 TDBG 02-0CT-96 30-0CT-96 TDBG 02-0CT-96 30-0CT-96
Sample Date		02-0CT-	02-0CT-	02-0CT-
er Lot		*537 TDBG *537 TDBG	*537 TDBG	0v44*537 tdBG 0v44*537 tdBG
Lab Number				
IRDMIS Field Sample Number		(MX5703X3 (MX5703X3	(MX5703X3 (MX5703X3	(MX5703X3 (MX5703X3
IRDMIS Site ID		57M-95-03X 57M-95-03X	57N-95-03X 1 57N-95-03X 1	57N-95-03X 57N-95-03X
Test Name	minimum maximum	LIN LIN ********************************	MEXCLR MEXCLR ************************************	PPDDT PPDDT ****************************
IRDMIS Method Code		UH13	UH13 UH13	UH13 UH13
Contractor Method Description		PESTICIDES/WATER/GCEC PESTICIDES/WATER/GCEC	PESTICIDES/WATER/GCEC PESTICIDES/WATER/GCEC	PESTICIDES/WATER/GCEC PESTICIDES/WATER/GCEC
Contracto		ABB-ES	ABB-ES ABB-ES	ABB-ES

APPENDIX D-3 TABLE D-11 ELEMENTS WITH MATRIX SPIKE RECOVERIES IN SOIL OUTSIDE USEPA CRITERIA

ELEMENT	FREQUENCY OF RECOVERY OUTSI USEPA CLP LIMITS	DE RECOVERY RANGE
Mercury	1/2	74.7
Arsenic	2/2	52.7 - 68.1
Manganese	1/2	64.1

APPENDIX D-3 TABLE D-12 USEPA CLP SURROGATE RECOVERY CRITERIA FOR SVOCS

SURROGATE	PERCENT RECOVERY LIMITS FOR WATER	PERCENT RECOVERY LIMITS FOR SOIL
2-Fluorophenol	21% to 100%	25% to 121%
Phenol-D6	10% to 94%	24% to 113%
2,4,6-Tribromophenol	10% to 123%	19% to 122%
Nitrobenzene-D5	35% to 114%	23% to 120%
2-Fluorobiphenyl	43% to 116%	30% to 115%
Terphenyl-D14	33% to 141%	18% to 137%

Appendix D-3 Table: D-13 FT. DEVENS DV4 1996 SEMIVOLATILE SURROGATE RESULTS

Percent Recovery	77.6 53.7 104.5	53.7 73.1	89.5 89.6	.0. .0.	85.6 85.1	82.1 128.4	129.9	100.0	91.0	88.1 46.3 129.9	106.1	124.2	118.2	97.0	103.0	103.0	109.1	103.0	97.0	2.69	8.5.5 8.5.5	72.7	75.8
Value Unit	5.2 UGG 3.6 UGG 7 UGG				5.8 UGG 5.7 UGG						3.5 066	5.5 UGG	3.9 UGG	3.2 UGG		_	3.6 UGG				2.5 UGG		
Spike Value	6.7	6.7	· • • • • • • • • • • • • • • • • • • •		6.7 6.7	6.7	6.7	6.7	2.9		3.3	ຳຕຸ	W)	M W	าหา	3.3	w, w,	, K	M	3.3	หห	, w	3,3
Analysis Date		13-SEP-96 11-SEP-96	11-SEP-96 11-SEP-96	11-SEP-96	, 11-SEP-96 , 12-SEP-96	12-SEP-96 23-SEP-96	23-SEP-96	23-SEP-96	, 23-SEP-96			įψ	13-SEP-96	11-SEP-96	11-SEP-96	11-SEP-96	11-SEP-96	11-SEP-96	12-SEP-96	5 23-SEP-96	5 23-SEP-96 27-SEP-96	23-SEP-96	5 23-SEP-96
Sample ot Date	DETK 19-AUG-96 DETK 20-AUG-96 DETK 20-AUG-96	OETK 21-AUG-96 OEWK 28-AUG-96		OENK 29-AUG-96	DENK 29-AUG-96 DENK 29-AUG-96			DEXK 03-SEP-96				DETK 20-AUG-96	OETK 21-AUG-96	DEUK 28-AUG-96	DENK 29-AUG-96	EWK 29-AUG-96	OF 14 29-AUG-92	FUK 20-A1G-97	DEWK 29-AUG-96	OEXK 03-SEP-96	OEXK 03-SEP-96	OEXK 03-SEP-90	OEXK 03-SEP-94
Lab Number L	47	DV4S*519 0 DV4S*520 0	DV45*521 0	DV45*524 0	DV45*525 0 DV4S*525 0				DV4S*539 0		516					DV45*523 C	DV4S*524 C	0745*525	DV4S*525	DV4S*526	DV4S*527 C		
IRDMIS Field Sample Number		1x EX573106 7x BX570700				9X BX570905 0X BX571005		1X BX571110	11X BD571110		8X EX572810	0X EX572006	1X EX573106	7X BX570700	8X BX570800	8X BX570805	9X BX570900	9X BX570905	9X BX570905	0X BX571005	0X BX571010		1X BD571110
IRDMIS Site ID	57E-96-28X 57E-96-29X 57E-96-30X	57E-96-3 578-96-0	578-96-0 578-96-0	578-96-0 578-96-0	578-96-0 578-96-0	578-96-0 578-96-1	578-96-1	578-96-1	578-96-1 ***		57E-96-28X	57E-96-3	57E-96-3	578-96-0 578-96-0	0-96-8/5 0-96-02	578-96-0	578-96-0	0-96-975 0-96-0	578-96-0	578-96-1	578-96-1	578-96-1	578-96-1
Test Name	246TBP 246TBP 246TBP	246TBP 246TBP	246TBP 246TBP	2461BP	246TBP 246TBP	246TBP 246TBP	246TBP	2461BP	246TBP	avg minimum maximum	2FBP	2 5 5 6	2FBP	2FBP	2. E	2FBP	2.EB	7 7 7 8	7. 2. 2. 2. 3. 3.	2FBP	ZFBP	2.5g 2.5g 2.5g 2.5g 2.5g 2.5g 2.5g 2.5g	2FBP
IRDMIS Method Code	LM18 LM18 LM18	LM18	LM18	LM18	LM18	LM18	LM18	LM18	LM18		LM18	LM18	LM18	LM18	LM 18	LM18	LM18	E 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	LM18	LM18	LM18	LM18
		ORGANICS/SOIL/GCMS ORGANICS/SOIL/GCMS	ORGANICS/SOIL/GCMS ORGANICS/SOIL/GCMS	ORGANICS/SUIL/GCMS ORGANICS/SOIL/GCMS	ORGANICS/SOIL/GCMS ORGANICS/SOIL/GCMS	ORGANICS/SOIL/GCMS	ORGANICS/SOIL/GCMS	ORGANICS/SOIL/GCMS	ORGANICS/SOIL/GCMS		ORGANICS/SOIL/GCMS	ORGANICS/SOIL/GCMS ORGANICS/SOIL/GCMS	ORGANICS/SOIL/GCMS	ORGANICS/SOIL/GCMS	ORGANICS/SOIL/GCMS	ORGANICS/SOIL/GCMS	ORGANICS/SOIL/GCMS	ORGANICS/SUIL/GUMS	ORGANICS/SOIL/GCMS	ORGANICS/SOIL/GCMS	ORGANICS/SOIL/GCMS	ORGANICS/SOIL/GCMS	ORGANICS/SOIL/GCMS
Contractor	ABB-ES ABB-ES ABB-ES	ABB-ES ABB-ES	ABB-ES	ABB-ES ABB-ES	ABB-ES ABB-ES	ABB-ES	ABB-ES	ABB-ES	ABB-ES		ABB-ES	ABB-ES ABB-ES	ABB-ES	ABB-ES	ABB-ES	ABB-ES	ABB-ES	ABB-ES	ABB-ES	ABB-ES	ABB-ES	ABB-ES	ABB-ES

Apperdix D-3 Table: D-13 FI. DEVENS DV4 1996 SEMIVOLATILE SURROGATE RESULTS

Percent Recovery	97.9 69.7 124.2	25.7 25.0 25.0 25.0 25.0 25.0 25.0 25.0 25.0	90.9 28.8 28.8 8.18 100.0 103.0 103.0 103.0
Value Unit	•	3.6 UGG 6.7 UGG 6.7 UGG 6.7 UGG 6.7 UGG 6.5 UGG 6.5 UGG 6.5 UGG 7.8 UGG 7.8 UGG	3 UGG 2.5 UGG 2.9 UGG 3.7 UGG 3.7 UGG 3.5 UGG 3.5 UGG 3.5 UGG 3.5 UGG 3.5 UGG
Spike Value		444444444444444444444444444444444444444	พพพพพพพพพพพพ พพพพพพพพพพพพ พพพพพพพพพพพ
Analysis Date		3.5.89-96 13.589-96 14.589-96 14.589-96 14.589-96 14.589-96 15.589-96	13-SEP-96 13-SEP-96 13-SEP-96 11-SEP-96 11-SEP-96 11-SEP-96 11-SEP-96 11-SEP-96 11-SEP-96 11-SEP-96 11-SEP-96 11-SEP-96 11-SEP-96
Sample Date		19-AUG-96 20-AUG-96 21-AUG-96 21-AUG-96 28-AUG-96 29-AUG-96 29-AUG-96 29-AUG-96 30-SEP-96 03-SEP-96 03-SEP-96 03-SEP-96	T. T9-AUG-96 T. Z0-AUG-96 T. Z0-AUG-96 T. Z1-AUG-96 T. Z3-AUG-96 T. Z3-AUG-96
Lab Number Lot		DV4S*516 OETK DV4S*517 OETK DV4S*518 OETK DV4S*520 OEWK DV4S*522 OEWK DV4S*523 OEWK DV4S*525 OEWK DV4S*525 OEWK DV4S*525 OEWK DV4S*525 OEWK DV4S*525 OEWK DV4S*525 OEWK DV4S*525 OEWK DV4S*526 OEWK DV4S*529 OEWK DV4S*529 OEXK DV4S*529 OEXK DV4S*529 OEXK DV4S*539 OEXK	DV4S*516 OETK DV4S*517 OETK DV4S*518 OETK DV4S*5210 OEW DV4S*522 OEW DV4S*523 OEW DV4S*523 OEW DV4S*525 OEW DV4S*525 OEW DV4S*525 OEW
IRDMIS Field Sample Number		x Ex572810 x Ex572911 x Ex572006 x Ex573106 x Bx570700 x Bx570800 x Bx570800 x Bx570800 x Bx570800 x Bx570800 x Bx570900 x Bx571000 x Bx571100 x Bx571100 x Bx571100 x Bx571110	x EX572810 x EX572911 x EX572006 x EX573106 x BX570700 x BX570800 x BX570800 x BX570800 x BX570805 x BX570805 x BX570805 x BX570805 x BX570805
IRDMIS Site ID	<u> </u>	57E-96-28X 57E-96-29X 57E-96-31X 57E-96-31X 57B-96-00X 57B-96-00X 57B-96-00X 57B-96-00X 57B-96-00X 57B-96-10X 57B-96-10X 57B-96-10X 57B-96-10X 57B-96-10X	57E-96-28X 57E-96-29X 57E-96-30X 57E-96-31X 57B-96-07X 57B-96-08X 57B-96-08X 57B-96-09X 57B-96-09X 57B-96-09X 57B-96-09X 57B-96-09X
Test Name	********* avg minimum maximum	2FP 2FP 2FP 2FP 2FP 2FP 2FP 2FP 2FP 2FP	N N N N N N N N N N N N N N N N N N N
IRDMIS Method Code		H	E E E E E E E E E E E E E E E E E E E
Contractor Method Description		ORGANICS/SOIL/GCMS ORGANICS/SOIL/GCMS	ORGANICS/SOIL/GCMS ORGANICS/SOIL/GCMS ORGANICS/SOIL/GCMS ORGANICS/SOIL/GCMS ORGANICS/SOIL/GCMS ORGANICS/SOIL/GCMS ORGANICS/SOIL/GCMS ORGANICS/SOIL/GCMS ORGANICS/SOIL/GCMS ORGANICS/SOIL/GCMS ORGANICS/SOIL/GCMS ORGANICS/SOIL/GCMS ORGANICS/SOIL/GCMS ORGANICS/SOIL/GCMS
Contractor		ABB-ES ABB-ES	ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES

Appendix D-3 Table: D-13 FT. DEVENS DV4 1996 SEMIVOLATILE SURROGATE RESULTS

Percent Recovery	106.1 106.1 97.0 81.8 103.0 97.5 78.8	88.6 67.2 67.2 67.2 80.6 80.6 82.5 88.1 88.1 104.5 104.5 104.5	103.0 66.7 100.0 106.1 90.9 97.0
Value Unit	3.5 UGG 3.5 UGG 3.7 UGG 3.4 UGG	6.2 UGG 6.3 UGG 6.3 UGG 6.4 UGG 6.5 UGG 6.5 UGG 6.5 UGG 6.7 UGG 6.8 UGG 6.8 UGG 6.9 UGG 6.9 UGG 6.9 UGG 6.9 UGG 6.9 UGG 6.9 UGG	3.4 UGG 2.2 UGG 3.3 UGG 3.5 UGG 3.2 UGG 3.7 UGG
Spike Value	имими ийийий	~~~~~~~~~~~ \$	พพพพพพพ พพพพพพพพ
Aralysis Date	23-28-96 23-28-96 23-28-96 23-28-96 23-28-96 23-28-96	5 13-58-96 5 13-58-96 5 13-58-96 5 11-58-96 5 11-58-96 5 11-58-96 5 11-58-96 5 11-58-96 5 11-58-96 5 12-58-96 5 23-58-96 5 23-58-96 6 23-58-96 6 23-58-96 6 23-58-96	6 13-SEP-96 6 13-SEP-96 6 13-SEP-96 6 13-SEP-96 6 11-SEP-96 6 11-SEP-96
Sample Lot Date	CEXK 03-SEP-96 CEXK 03-SEP-96 CEXK 03-SEP-96 CEXK 03-SEP-96 CEXK 03-SEP-96	CETX 19-AUG-96 CETX 20-AUG-96 CETX 21-AUG-96 CETX 21-AUG-96 CETX 23-AUG-96 CETX 33-SEP-96 CETX 3	OCTK 19-AUG-96 OCTK 20-AUG-96 OCTK 20-AUG-96 OCTK 21-AUG-96 OCHK 28-AUG-96 OCHK 28-AUG-96 OCHK 29-AUG-96
Lab Number Lo	DV45*526 OF DV45*529 OF DV45*529 OF DV45*529 OF DV45*529 OF DV45*529 OF DV45*539 OF DV45*5	DV45*516 OD DV45*517 OD DV45*518 OD DV45*518 OD DV45*520 OD DV45*522 OD DV45*525 OD DV45*5	DV4S*516 0 DV4S*517 0 DV4S*518 0 DV4S*519 0 DV4S*520 0 DV4S*521 0
IRDMIS Field Sample Number	X BX571005 X BX571010 X BX571105 X BX57110 X BD571110	28X EX572810 29X EX572911 30X EX573006 31X EX573006 07X BX570705 08X BX570805 08X BX570805 09X BX570805 09X BX570905 10X BX571015 11X BX571110 11X BX571110	28x EX572810 29x EX572911 30x EX572006 31x EX573106 07x BX570700 07x BX570705 08x BX570800
IRDMIS Site ID	578-96-10X 578-96-11X 578-96-11X 578-96-11X 578-96-11X	57E-96-28X 57E-96-28X 57E-96-31X 57B-96-07X 57B-96-08X 57B-96-08X 57B-96-09X 57B-96-09X 57B-96-10X 57B-96-10X 57B-96-11X	572-96-28 572-96-38 572-96-38 572-96-38 573-96-03 573-96-03
Test Name	NBD5 NBD5 NBD5 NBD5 NBD5 ************************************	PHEND6 PH	TRP014 TRP014 TRP014 TRP014 TRP014 TRP014
IRDMIS Method Code	E E E E E E E E E E E E E E E E E E E	HERE REPORTS TO THE PROPERTY OF THE PROPERTY O	EM18 EM18 EM18 EM18 EM18
	ORGANICS/SOIL/GCMS ORGANICS/SOIL/GCMS ORGANICS/SOIL/GCMS ORGANICS/SOIL/GCMS ORGANICS/SOIL/GCMS ORGANICS/SOIL/GCMS	ORGANICS/SOIL/GCMS ORGANICS/SOIL/GCMS	ORGANICS/SOIL/GONS ORGANICS/SOIL/GONS ORGANICS/SOIL/GONS ORGANICS/SOIL/GONS ORGANICS/SOIL/GONS ORGANICS/SOIL/GONS ORGANICS/SOIL/GONS
Contracto	ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES	ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES	ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES

Appendix D-3 Table: D-13 FT. DEVENS DV4 1996 SEMIVOLATILE SURROGATE RESULTS

Percent Recovery	109.1 112.1 113.0 103.0 97.0 97.0 100.0 124.2	88.0 88.0 86.0 77.0 77.0 73.0 83.0	94.0 94.0 94.0 72.0 72.0 88.0 88.0 78.0
Value Unit	3.6 UGG 3.7 UGG 3.6 UGG 3.2 UGG 3.2 UGG 4.1 UGG 5.8 UGG 3.2 UGG 5.8 UGG 5.9 UGG	37 2 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	47 UGL 47 UGL 47 UGL 38 UGL 44 UGL 49 UGL 39 UGL
Spike Value	មមម្រមម្ចាប់ ក្រុមក្រុមក្រុមក្រុមក្រុ	55555555	22222222
Analysis Date	11-SP-9 11-SP-9 11-SP-9 12-SP-9 23-SP-9 23-SP-9 23-SP-9 23-SP-9 23-SP-9 23-SP-9	08-0C1-96 08-0C1-96 16-0C1-96 16-0C1-96 08-0C1-96 09-0C1-96 13-SEP-96	08-0CT-96 08-0CT-96 08-0CT-96 16-0CT-96 08-0CT-96 09-0CT-96
Sample ot Date	GENT 29-AUG-96 GENT 29-AUG-96 GENT 29-AUG-96 GENT 29-AUG-96 GENT 29-AUG-96 GENT 29-AUG-96 GENT 29-AUG-96 GENT 29-AUG-96 GENT 29-AUG-96 GENT 39-SEP-96 GENT 33-SEP-96 GENT 33-SEP-96 GENT 33-SEP-96 GENT 33-SEP-96	MDIN 02-0CT-96 MDIN 01-0CT-96 MDIN 01-0CT-96 MDIN 02-0CT-96 MDIN 02-0CT-96 MDIN 03-8EP-96 MDIN 03-8EP-96	WDIN 02-0CT-96 WDIN 02-0CT-96 WDIN 01-0CT-96 WDIN 02-0CT-96 WDIN 01-0CT-96 WDIN 02-0CT-96 WDIN 03-0CT-96
	0.45*523 00 0.45*524 00 0.45*525 00 0.45*525 00 0.45*527 00 0.45*527 00 0.45*529 00 0.45*529 00	DV44*305 HD DV44*533 HD DV44*533 HD DV44*535 HD DV44*535 HD DV44*535 HD DV44*535 HD DV44*535 HD	DV4#*305 H DV4#*335 H DV4#*535 H DV4#*535 H DV4#*537 H DV4#*537 H
IRDMIS Field Sample Number	x 8x570805 x 8x570905 x 8x570905 x 8x570905 x 8x570905 x 8x571010 x 8x571110 x 8x571110	X MD5711X1 X MX5713X1 X MX5700X1 X MX5710X1 X MX5711X1 X MX5711X1 X MX5703X3 X MX5703X3	X MS571X1 X MS573X1 X MS570X1 X MS5710X1 X MS571X1 X MS5703X3 X MS5703X3 A S8K96540
IRDMIS, Site ID	578-96-08X 578-96-08X 578-96-09X 578-96-09X 578-96-10X 578-96-11X 578-96-11X 578-96-11X	57A-96-11X 57A-96-13X 57A-96-03X 57A-96-10X 57A-96-10X 57A-96-11X 63A-92-07X 57A-95-03X 57A-95-03X 57A-95-03X	57N-96-11X 57N-96-13X 57N-96-10X 57N-96-10X 57N-96-11X 63N-96-03X 57N-95-03X 57N-95-03X
Test	TRPD14 TRPD14 TRPD14 TRPD14 TRPD14 TRPD14 TRPD14 TRPD14 TRPD14 TRPD14 TRPD14 TRPD14 TRPD14 TRPD14 TRPD14 TRPD14	24618P 24618P 24618P 24618P 24618P 24618P 24618P ************************************	2FBP 2FBP 2FBP 2FBP 2FBP 2FBP 2FBP 2FBP
IRDMIS Method Code	######################################	20 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	81 M M M M M M M M M M M M M M M M M M M
Contractor Method Description	ORGANICS/SOIL/GCMS ORGANICS/SOIL/GCMS ORGANICS/SOIL/GCMS ORGANICS/SOIL/GCMS ORGANICS/SOIL/GCMS ORGANICS/SOIL/GCMS ORGANICS/SOIL/GCMS ORGANICS/SOIL/GCMS ORGANICS/SOIL/GCMS ORGANICS/SOIL/GCMS ORGANICS/SOIL/GCMS	ORGANICS/WATER/GCMS ORGANICS/WATER/GCMS ORGANICS/WATER/GCMS ORGANICS/WATER/GCMS ORGANICS/WATER/GCMS ORGANICS/WATER/GCMS ORGANICS/WATER/GCMS ORGANICS/WATER/GCMS	ORGANICS/WATER/GCMS ORGANICS/WATER/GCMS ORGANICS/WATER/GCMS ORGANICS/WATER/GCMS ORGANICS/WATER/GCMS ORGANICS/WATER/GCMS ORGANICS/WATER/GCMS ORGANICS/WATER/GCMS
Contracto	ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES	ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES	ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES

Appendix D-3
Table: D-13
FT. DEVENS DV4 1996
SEMIVOLATILE SURROGATE RESULTS

Percent Recovery	72.0	55.0 58.0 58.0 57.0 57.0 51.0 51.0	35.0 59.0	88.0 88.0 88.0 88.0 88.0 87.0 87.0	77.0 66.0 86.0	75.0 26.0 36.0 36.0 36.0	36.0
Value Unit		55 UGL 58 UGL 58 UGL 55 UGL 57 UGL 51 UGL		42 UGL 42 UGL 43 UGL 33 UGL 33 UGL 39 UGL 39 UGL 36 UGL		24 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	
Spike Value		66666666		22222222		55555	<u> </u>
Analysis Date		96 08-007-96 96 08-007-96 96 08-007-96 96 16-007-96 96 08-007-96 96 08-007-96 96 09-007-96 96 13-SEP-96		96 08-0CT-96 96 08-0CT-96 96 08-0CT-96 96 16-0CT-96 96 08-0CT-96 96 08-0CT-96 96 09-0CT-96 96 09-0CT-96		96 08-0C1-96 96 08-0C1-96 96 08-0C1-96 96 16-0C1-96 96 08-0C1-96	% 09-0C1-96 96 09-0C1-96 96 13-SEP-96
Sample t Date		MDIN 02-0C1-96 (MDIN 02-0C1-96 (MDIN 01-0C1-96 (MDIN 02-0C1-96 (MDIN 02-0C1-96 (MDIN 01-0C1-96 (MDIN 02-0C1-96 (MDIN 03-SEP-96		WDIN 02-0CT-96 WDIN 02-0CT-96 WDIN 01-0CT-96 WDIN 02-0CT-96 WDIN 02-0CT-96 WDIN 02-0CT-96 WDIN 03-8EP-96			MDIM 02-0CT-96 MDDM 03-SEP-96
Lab Number Lot		0,44,4305 LD 0,44,4337 LD 0,44,4337 LD 0,44,4334 LD 0,44,4334 LD 0,44,4337 LD 0,44,4337 LD 0,44,4337 LD 0,44,4307 LD		0.044*305 WD 0.044*537 WD 0.044*537 WD 0.044*534 WD 0.044			DV4H*537 ND DV4H*537 ND DV4H*540 ND
IRDMIS Field Sample Number		X MX571X1 X MX5713X1 X MX5709X1 X MX5710X1 X MX571X1 X MX571X1 X MX507X3 X MX503X3 X MX503X3		X MX571X1 X MX5713X1 X MX5709X1 X MX5710X1 X MX571X1 X MX571X1 X MX573X3 X MX5703X3 X MX5703X3		IX MD5711X1 SX MX5713X1 SX MX5709X1 SX MX5710X1 SX MX5710X1	
IRDMIS Site ID		57A-96-11X 57A-96-13X 57A-96-10X 57A-96-10X 57A-96-11X 63A-92-07X 57A-95-03X		57A-96-11X 57A-96-03X 57A-96-00X 57A-96-10X 57A-96-11X 63A-92-07X 57A-96-11X		574-96-11X 574-96-13X 574-96-09X 574-96-10X 574-96-10X	574-95-03 574-95-03 SBK-96-54
Test Name	minimum	2FP 2FP 2FP 2FP 2FP 2FP 2FP 3V9 avg	minimum maximum	NBD5 NBD5 NBD5 NBD5 NBD5 NBD5 NBD5 NBD5	avg minimum maximum	PHEND6 PHEND6 PHEND6 PHEND6	PHENDO PHENDO ************************************
IRDMIS Method Code		81 M J 8 M J		UMU UMU UMU UMU UMU UMU UMU UMU UMU UMU		81 MU UM 18	2 2 2 2 2 2 2 3 2 2 2
Contractor Method Description		ORGANICS/WATER/GCMS ORGANICS/WATER/GCMS ORGANICS/WATER/GCMS ORGANICS/WATER/GCMS ORGANICS/WATER/GCMS ORGANICS/WATER/GCMS ORGANICS/WATER/GCMS ORGANICS/WATER/GCMS		ORGANICS/WATER/GCMS ORGANICS/WATER/GCMS ORGANICS/WATER/GCMS ORGANICS/WATER/GCMS ORGANICS/WATER/GCMS ORGANICS/WATER/GCMS ORGANICS/WATER/GCMS ORGANICS/WATER/GCMS		ORGANICS/WATER/GCMS ORGANICS/WATER/GCMS ORGANICS/WATER/GCMS ORGANICS/WATER/GCMS	OKGANICS/WAIEK/GCMS ORGANICS/WATER/GCMS ORGANICS/WATER/GCMS
Contractor		ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES		ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES		ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES	ABB-ES ABB-ES ABB-ES

Apperdix D-3 Table: D-13 FI. DEVENS DV4 1996 SEMIVOLATILE SURROGATE RESULTS

Percent Recovery	36.0 44.0	888	25.0	80.0	83.5 70.0 94.0
Value Unit		명 64 44 8	38 UGL 37 UGL 45 UGL	32 ner 42 ner	
Spike Value		ያያያያ	ጸጸጸ	22	
Analysis Date	1	02-0CT-96 08-0CT-96 02-0CT-96 01-0CT-96 08-0CT-96 08-0CT-96	6 16-0CT-96 6 08-0CT-96 6 08-0CT-96	6 09-0CT-96 6 13-SEP-96	
Sample Lot Date		LDIM 02-0CT-9 LDIM 02-0CT-9 LDIM 01-0CT-9	LDOM 02-0CT-96 LDIM 02-0CT-96 LDIM 01-0CT-96	MDIM 02-0CT-96 (MDDM 03-SEP-96 1	
Lab Number		DV4W*305 DV4W*307 DV4W*533	DV4W*534 DV4W*535 DV4W*536	DV44#537 DV44#540	
IRDMIS Field Sample Number		1X MD5711X1 3X MX5713X1 9X MX5709X1	0X MX5710X1 1X MX5711X1 7X MXG307X3	3X MX5703X3 40 SBK96540	
IRDMIS Site ID		57A-96-11X 57A-96-13X 57A-96-09X	57M-96-10X N 57M-96-11X N 63M-92-073	57M-95-03X N SBK-96-540 S	
F- 2	minimum maximum	TRP014 TRP014 TRP014	TRP014 TRP014 TRP014	TRP014 TRP014 *******	avg minimum maximum
IRDMIS Method Code		81MU 81MU 81MU	UM 18 81 MJ 81 81 MJ	UM18 UM18	
Contractor Method Description		ORGANICS/WATER/GCMS ORGANICS/WATER/GCMS ORGANICS/WATER/GCMS	ORGANICS/WATER/GCMS ORGANICS/WATER/GCMS ORGANICS/WATER/GCMS	ORGANICS/WATER/GCMS ORGANICS/WATER/GCMS	
Contract		ABB-ES ABB-ES ABB-ES	ABB-ES ABB-ES ABB-ES	ABB-ES ABB-ES	

Appendix D-3 Table: D-14 FT. DEVENS DV4 1996 VOLATILE SURROGATES

Percent Recovery	702.0 702.0 704.0 704.0 704.0 704.0 705.0	75.0 88.0 88.0 78.0 78.0 78.0 78.0 76.0 76.0	26.0 174.0 174.0 174.0 176.0 1
Value thit	.051 UGG .049 UGG .052 UGG .052 UGG .053 UGG .053 UGG .053 UGG	.088 UGG .048 UGG .044 UGG .035 UGG .045 UGG .047 UGG .047 UGG	.053 UGG .05 UGG .057 UGG .058 UGG .055 UGG .047 UGG .049 UGG
Spike Value	នខេត្តខេត្តខ	ខខ់ខខ់ខខ់ខខ់ខ	ខុខខុខខុខខុខ
Analysis Date	96 30-Aug-96 96 30-Aug-96 96 30-Aug-96 96 30-Aug-96 96 11-SEP-96 96 11-SEP-96 96 11-SEP-96 96 11-SEP-96	96 30-Aug-96 96 30-Aug-96 96 30-Aug-96 96 30-Aug-96 96 11-SEP-96 96 11-SEP-96 96 11-SEP-96 96 11-SEP-96 96 11-SEP-96	96 30-AUG-96 96 30-AUG-96 96 30-AUG-96 96 31-AUG-96 96 11-SEP-96 96 11-SEP-96 96 11-SEP-96 96 11-SEP-96
Sample ot Date	YGRK 19-AUG-96 YGRK 20-AUG-96 YGRK 21-AUG-96 YGRK 23-AUG-96 YGRK 03-SEP-96 YGRK 03-SEP-96 YGRK 03-SEP-96 YGRK 03-SEP-96 YGRK 03-SEP-96	YGK 19-AUG-96 YGK 20-AUG-96 YGK 21-AUG-96 YGK 21-AUG-96 YGK 03-SEP-96 YGK 03-SEP-96 YGK 03-SEP-96 YGK 03-SEP-96 YGK 03-SEP-96 YGK 03-SEP-96 YGK 03-SEP-96	YGNK 19-AUG-96 YGNK 20-AUG-96 YGNK 21-AUG-96 YGNK 23-AUG-96 YGNK 03-SEP-96 YGNK 03-SEP-96 YGNK 03-SEP-96
Lab Number L	35 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	DV4S*516 1 DV4S*517 1 DV4S*519 1 DV4S*520 1 DV4S*520 1 DV4S*520 1 DV4S*520 1 DV4S*520 1 DV4S*529 1 DV4S*529 1	DV4S*516) DV4S*517) DV4S*518) DV4S*519) DV4S*520) DV4S*520) DV4S*528) DV4S*528)
IRDMIS Field Sample Number	EX572810 EX572911 EX573006 EX573106 BX57000 BX571010 BX571110 BX571110 BX571110	EX572810 EX572911 EX573006 EX573106 BX57000 BX571005 BX571105 BX571105 BX571105 BX571105	EX572810 (EX572911 (EX573006 (EX573106 (BX570700 (BX571010 (BX571105 (BX5711105
IRDMIS Site ID	578-96-28X 578-96-29X 578-96-31X 578-96-07X 578-96-10X 578-96-11X 578-96-11X	57E-96-28X 57E-96-20X 57E-96-31X 57B-96-07X 57B-96-10X 57B-96-11X 57B-96-11X	57E-96-28X 57E-96-20X 57E-96-31X 57E-96-07X 57B-96-10X 57B-96-10X 57B-96-11X
Test Name	12004 12004	48FB 48FB 48FB 48FB 48FB 48FB 48FB 48FB	MEC608 MEC608 MEC608 MEC608 MEC608 MEC608 MEC608 MEC608
IRDMIS Method Code	MA 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9		HWAS EMASSES
_	VOLATILES/SOIL/GCMS VOLATILES/SOIL/GCMS VOLATILES/SOIL/GCMS VOLATILES/SOIL/GCMS VOLATILES/SOIL/GCMS VOLATILES/SOIL/GCMS VOLATILES/SOIL/GCMS VOLATILES/SOIL/GCMS VOLATILES/SOIL/GCMS VOLATILES/SOIL/GCMS VOLATILES/SOIL/GCMS	VOLATILES/SOIL/GGNS VOLATILES/SOIL/GGNS VOLATILES/SOIL/GGNS VOLATILES/SOIL/GGNS VOLATILES/SOIL/GGNS VOLATILES/SOIL/GGNS VOLATILES/SOIL/GGNS VOLATILES/SOIL/GGNS VOLATILES/SOIL/GGNS VOLATILES/SOIL/GGNS VOLATILES/SOIL/GGNS	VOLATILES/SOIL/GGMS VOLATILES/SOIL/GGMS VOLATILES/SOIL/GGMS VOLATILES/SOIL/GGMS VOLATILES/SOIL/GGMS VOLATILES/SOIL/GGMS VOLATILES/SOIL/GGMS VOLATILES/SOIL/GGMS VOLATILES/SOIL/GGMS VOLATILES/SOIL/GGMS
Contractor	ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES	ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES	ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES

Appendix D-3 Table: D-14 FT. DEVENS DV4 1996 VOLATILE SURROGATES

Percent Recovery	94.0 101.2 90.0 116.0	28.0 28.0 28.0 28.0 28.0 28.0 26.0 26.0 26.0 26.0 26.0 26.0 26.0 26	88.00 88.00 88.00 88.00 88.00 88.00 88.00 88.00 80.00
<u>Unit</u>	990		5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5
Value Unit	.047	500 4 4 50 50 50 50 50 50 50 50 50 50 50 50 50	7,444 2,522 3,522 4,632 5,632 1,632
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Spike Value	50.	222222222222222222222222222222222222222	2222222222222
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s	: : %	%%%%%%%%%%% %%%%%%%%%%%%%%%	%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
Analysis Date	11-SEP-96	09-001-96 09-001-96 09-001-96 09-001-96 09-001-96 10-001-96 30-446-96 09-001-96 09-001-96	09-001-96 09-001-96 09-001-96 09-001-96 10-001-96 11-001-96 11-001-96 10-001-96 10-001-96 10-001-96
		\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$ \$\$\$\$\$\$\$\$\$\$	\$\$\$\$\$\$\$\$\$\$\$\$\$
Sample Date	03-SEP-96	02-0c1-96 02-0c1-96 01-0c1-96 02-0c1-96 02-0c1-96 02-0c1-96 02-0c1-96 02-0c1-96 03-0c1-96 01-0c1-96	02-0CT-96 02-0CT-96 01-0CT-96 01-0CT-96 02-0CT-96 02-0CT-96 02-0CT-96 02-0CT-96 02-0CT-96 02-0CT-96 02-0CT-96 02-0CT-96 02-0CT-96
Lot D. S.	. W.	S S S S S S S S S S S S S S S S S S S	SOURCE OF SOURCE
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Lab Number	DV4S*539	DV4#*305 DV4#*336 DV4#*533 DV4#*534 DV4#*537 DV4#*537 DV4#*537 DV4#*555 DV4#*555 DV4#*555 DV4#*555 DV4#*555 DV4#*555	DV4H*305 DV4H*330 DV4H*330 DV4H*330 DV4H*337 DV4
(A) (I) (9		
IRDMIS Field Sample Number	BD571110	MD5711X1 MX5712X1 MX5712X1 MX5709X1 MX5703X3 MX5703X3 MX5703X3 MX5703X3 MX5703X3 MX5703X3 MX5703X3 MX5703X3 MX5703X3 MX5703X3 MX5703X3	M5711X1 MX5712X1 MX5713X1 MX5709X1 MX5703X3 MX5703X3 MX5703X3 MX5703X3 MX5703X3 MX5703X3
IRDMIS Site ID	578-96-11X	57A-96-11X 57A-96-12X 57A-96-12X 57A-96-03X 57A-96-10X 57A-95-03X 57A-95-03X 57A-95-03X 18K-96-561 18K-96-561 18K-96-16X XSA-96-16X	574-96-11X 574-96-12X 574-96-13X 574-96-10X 574-96-10X 574-95-07X 574-95-03X 574-95-03X 574-96-03X 18K-96-561
H S		*	
Test	MEC608 ************************************	12004 12004	899 899 899 899 899 899 899 899 899 899
	; ₹¥ f0 E E ! !	# # # # # # # # # # # # # # # # # # #	333333333333
IRDMIS Method Code	LM19	0200 0200 0200 0200 0200 0200 0200 020	
	! ! !		
5	CWS	600 S GCM S	GCCMS GCCMS
ript	301L/0	A PATER, A P	ATER, ATER, ATER, ATER, ATER, ATER, ATER,
d Desi	ILES/	LESAL LESAL	LESALLESALLESALLESALLESALLESALLESALLESA
Yethα	VOLATILES/SOIL/GCMS	VOLATILES/WATER/GCMS VOLATILES/WATER/GCMS VOLATILES/WATER/GCMS VOLATILES/WATER/GCMS VOLATILES/WATER/GCMS VOLATILES/WATER/GCMS VOLATILES/WATER/GCMS VOLATILES/WATER/GCMS VOLATILES/WATER/GCMS VOLATILES/WATER/GCMS VOLATILES/WATER/GCMS VOLATILES/WATER/GCMS VOLATILES/WATER/GCMS VOLATILES/WATER/GCMS VOLATILES/WATER/GCMS	VOLATILES/WATER/GGMS VOLATILES/WATER/GGMS VOLATILES/WATER/GGMS VOLATILES/WATER/GGMS VOLATILES/WATER/GGMS VOLATILES/WATER/GGMS VOLATILES/WATER/GGMS VOLATILES/WATER/GGMS VOLATILES/WATER/GGMS VOLATILES/WATER/GGMS VOLATILES/WATER/GGMS VOLATILES/WATER/GGMS VOLATILES/WATER/GGMS VOLATILES/WATER/GGMS VOLATILES/WATER/GGMS
	-		
ontra	ABB-ES	ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES	ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES
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Appendix D-3 Table: D-14 FT. DEVENS DV4 1996 VOLATILE SURROGATES

Percent Recovery	92.0	96.1 88.0 106.0	0.49	92.0	92.0	0 . 96	0.46	0.40	94.0	0.86	0.96	0.76	0.%	92.0	98.0	0.40	94.6 92.0 98.0
Value Unit	790 97		190 Z														
Spike Value	20		22	20	20	S	20	20	20	20	20	20	S	20	20	20	
Sample Analysis Lot Date Date	DLS 01-0CT-96 09-0CT-96		02-0CT-96	02-0CT-96	02-0CT-96	XDLS 01-0CT-96 09-0CT-96	02-0CT-96	02-0C1-96	01-oct-96	02-oct-96	XDMS 02-OCT-96 10-OCT-96	02-0CT-96		XDLS 02-0CT-96 09-0CT-96	03-0CT-96 09-	MLS 01-0CT-96 09-0CT-96	
Lab Number Lo	DV5W*238 XDLS			DV4W*306 XI													
IRDMIS Field IIS Sample ID Number	XSA-96-16X XXSA1650			57M-96-12X MX5712X1	_	57M-96-09X MX5709X1	_	-96-11X MX5711X1				57M-95-03X MX5703X3		·95-565 TBK96565	-96-197 TBK96197	XSA-96-16X XXSA1650	
Test IRDMIS Name Site ID	48FB XSA-	avg minimum maximum	MEC608 57M-	MEC608 57M-	MEC608 57M-											***	avg minimum maximum
S p	UMZ0 4	a = E		_	_	-	_	_				UM20	_	_	_		WEE
Contractor Method Description	VOLATILES/WATER/GCMS		VOLATILES/WATER/GCMS	VOLATILES/WATER/GCMS	VOLATILES/WATER/GCMS	VOLATILES/WATER/GCMS	VOLATILES/WATER/GCMS	VOLATILES/WATER/GCMS	VOLATILES/WATER/GCMS	VOLATILES/WATER/GCMS	VOLATILES/WATER/GCMS	VOLATILES/WATER/GCMS	VOLATILES/WATER/GCMS	VOLATILES/WATER/GCMS	VOLATILES/WATER/GCMS	VOLATILES/WATER/GCMS	
Contracto	ABB-ES		ABB-ES	ABB-ES	ABB-ES	ABB-ES	ABB-ES	ABB-ES	ABB-ES	ABB-ES	ABB-ES	ABB-ES	ABB-ES	ABB-ES	ABB-ES	ABB-ES	

APPENDIX D-3 TABLE D-15 USEPA CLP SURROGATE RECOVERY CRITERIA FOR VOCS

SURROGATE	PERCENT RECOVERY LIMITS FOR WATER	PERCENT RECOVERY LIMITS FOR SOIL
1,2-Dichloroethane-D4	76% to 114%	70% to 121%
4-Bromofluorobenzene	86% to 115%	74% to 121%
Toluene-D8	88% to 110%	81% to 117%

Appendix D-3 Table: D-16 FT. DEVENS DV4 1996 PEST/PCB SURROGATE RECOVERIES

Percent Recovery	40.8 175.7 176.0 176.0 176.5 1	25.1 27.5 27.5 28.3 28.3 20.5 20.5 20.5 20.5 20.5 20.5 20.5 20.5	15.0 15.0 19.6 133.3 144.1
Value Unit	. 0272 UGG . 0378 UGG . 0483 UGG . 056 UGG . 0498 UGG . 0977 UGG . 0862 UGG . 1 UGG	. 0301 UGG . 045 UGG . 048 UGG . 0585 UGG . 0587 UGG . 0673 UGG . 0672 UGG	. 01 UGG . 0557 UGG . 0131 UGG . 0651 UGG . 0889 UGG . 0861 UGG
Spike Value	7890. 7890. 7890. 7867. 7867. 7867. 7890. 7890.	7867 7867 7867 7867 7867 7867 7867 7867	
Analysis Date	-86 26-5EP-96 -96 26-5EP-96 -96 26-5EP-96 -96 01-0CT-96 -96 01-0CT-96 -96 01-0CT-96 -96 01-0CT-96 -96 01-0CT-96	-96 26-SEP-96 -96 26-SEP-96 -96 26-SEP-96 -96 01-0CT-96 -96 01-0CT-96 -96 01-0CT-96 -96 01-0CT-96 -96 01-0CT-96	-96 01-0CT-96 -96 30-SEP-96 -96 30-SEP-96 -96 30-SEP-96 -96 10-0CT-96 -96 10-0CT-96 -96 10-0CT-96 -96 10-0CT-96
Sample Lot Date	UPOF 19-AUG-96 UFOF 20-AUG-96 UFOF 20-AUG-96 UFOF 21-AUG-96 UFOF 23-AUG-96 UFOF 29-AUG-96 UFOF 29-AUG-96 UFOF 29-AUG-96 UFOF 29-AUG-96 UFOF 29-AUG-96	UFOF 19-AUG-96 UFOF 20-AUG-96 UFOF 21-AUG-96 UFOF 23-AUG-96 UFOF 23-AUG-96 UFOF 29-AUG-96 UFOF 29-AUG-96 UFOF 29-AUG-96 UFOF 29-AUG-96 UFOF 29-AUG-96	NGHH 19-AJG-96 NGHH 20-AJG-96 NGHH 21-AJG-96 NGH 21-AJG-96 NGJH 28-AJG-96 NGJH 28-AJG-96 NGJH 29-AJG-96
Lab Number	343333333333	DV4S*516 DV4S*517 DV4S*519 DV4S*520 DV4S*521 DV4S*521 DV4S*522 DV4S*523 DV4S*524 DV4S*524	DV4S*516 DV4S*517 DV4S*519 DV4S*519 DV4S*520 DV4S*521 DV4S*521
IRDMIS Field Sample Number	EX572810 EX572911 EX57306 EX57306 EX57306 EX570705 EX570805 EX570805 EX570805 EX570805 EX570805 EX570805	EX572810 EX572911 EX57306 EX573106 EX570700 EX570800 EX570800 EX570800 EX570800 EX570800 EX570800	EX572810 EX572911 EX573006 EX573106 EX573106 EX570700 EX570800 EX570800
IRDMIS Site ID	57E-6-28X 57E-8-28X 57E-8-31X 57E-8-11X 57B-8-07X 57B-8-08X 57B-8-08X 57B-8-08X	57E-96-28X 57E-96-29X 57E-96-30X 57E-96-31X 57B-96-07X 57B-96-08X 57B-96-08X 57B-96-08X 57B-96-08X 57B-96-08X 57B-96-09X	57E-96-28X 57E-96-20X 57E-96-31X 57E-96-31X 57B-96-07X 57B-96-08X 57B-96-08X
Test Name	CL108P CL108P CL108P CL108P CL108P CL108P CL108P CL108P CL108P CL108P CL108P CL108P CL108P MARANAMANAMANAMANAMANAMANAMANAMANAMANAMA	CL4XYL CL	CL 108P CL 108P CL 108P CL 108P CL 108P CL 108P
IRDMIS Method Code		222222222	HH26 HH36 HH36 HH36 HH36 HH36 HH36 HH36
	PESTICIDES/SOIL/GCEC PESTICIDES/SOIL/GCEC PESTICIDES/SOIL/GCEC PESTICIDES/SOIL/GCEC PESTICIDES/SOIL/GCEC PESTICIDES/SOIL/GCEC PESTICIDES/SOIL/GCEC PESTICIDES/SOIL/GCEC PESTICIDES/SOIL/GCEC PESTICIDES/SOIL/GCEC PESTICIDES/SOIL/GCEC PESTICIDES/SOIL/GCEC	PESTICIDES/SOIL/GCEC PESTICIDES/SOIL/GCEC PESTICIDES/SOIL/GCEC PESTICIDES/SOIL/GCEC PESTICIDES/SOIL/GCEC PESTICIDES/SOIL/GCEC PESTICIDES/SOIL/GCEC PESTICIDES/SOIL/GCEC PESTICIDES/SOIL/GCEC PESTICIDES/SOIL/GCEC PESTICIDES/SOIL/GCEC PESTICIDES/SOIL/GCEC	PESTICIDES/SOIL/GCEC PESTICIDES/SOIL/GCEC PESTICIDES/SOIL/GCEC PESTICIDES/SOIL/GCEC PESTICIDES/SOIL/GCEC PESTICIDES/SOIL/GCEC PESTICIDES/SOIL/GCEC PESTICIDES/SOIL/GCEC PESTICIDES/SOIL/GCEC PESTICIDES/SOIL/GCEC
Contractor	ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES	ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES	ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES

Appendix D-3 Table: D-16 FT. DEVENS DV4 1996 PEST/PGB SURROGATE RECOVERIES

Percent Recovery	122.2 154.4 94.2 15.0	70.2 73.6 881.1 681.2 681.2 170.9 114.8 681.2 681.2	148.4 17.8 13.12 13.12 13.12 14.72 14.72 13.9
Reco	1		
e Unit		2 NGG 2 NGG 3 NGG 4 NGG 7 NGG 7 NGG 7 NGG 8 NGG 9 NGG 9 NGG	2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
Value	.103	0468 .0491 .0541 .065 .0708 .0708 .114 .1087	2323.23 .882 .747.74 .658.882 .658.883 .679.69
Spike Value	7990.		<u> </u>
Analysis Date	10-0CT-96 10-0CT-96	01-0c1-96 30-sep-96 30-sep-96 10-0c1-96 10-0c1-96 10-0c1-96 10-0c1-96 10-0c1-96	13-0C1-96 14-0C1-96 14-0C1-96 14-0C1-96 14-0C1-96 14-0C1-96 13-0C1-96 13-0C1-96
Sample Date	29-AUG-96	19-Aug-96 20-Aug-96 21-Aug-96 21-Aug-96 28-Aug-96 29-Aug-96 29-Aug-96 29-Aug-96	02-001-96 02-001-96 02-001-96 01-001-96 01-001-96 02-001-96 02-001-96 03-001-96
Ę	~~	2	85 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8
Lab	DV4S*524	DV4S*516 DV4S*518 DV4S*519 DV4S*520 DV4S*521 DV4S*522 DV4S*523 DV4S*523	DV4H*305 DV4H*337 DV4H*535 DV4H*535 DV4H*537 DV4H*537 DV4H*537 DV4H*537
IRDMIS Field Sample Number	BX570900 BX570905	EX572810 EX57306 EX57306 EX573106 BX570700 BX570705 BX570805 BX570805 BX570805 BX570805	MD5711X1 MX5712X1 MX5713X1 MX5713X1 MX5703X1 MX5703X3 MX5703X3 MX5703X3 MX5703X3 SBK96540
	578-96-09X	57E -96-28X 57E -96-29X 57E -96-30X 57B -96-07X 57B -96-07X 57B -96-08X 57B -96-09X 57B -96-09X	57N-96-11X 57N-96-12X 57N-96-13X 57N-96-09X 57N-96-03X 57N-95-03X 57N-95-03X 57N-95-03X 57N-95-03X 57N-95-03X
IRDMIS Site ID		######################################	
Test Name	CL108P CL108P ************************************	CL4XYL CL	CL108P CL108P CL108P CL108P CL108P CL108P CL108P CL108P CL108P CL108P CL108P CL108P CL108P CL108P CL108P CL108P CL108P
IRDMIS Method Code	LH16 LH16	2222222222	00000000000000000000000000000000000000
Ļ	PESTICIDES/SOIL/GCEC	PESTICIDES/SOIL/GGEC PESTICIDES/SOIL/GGEC PESTICIDES/SOIL/GGEC PESTICIDES/SOIL/GGEC PESTICIDES/SOIL/GGEC PESTICIDES/SOIL/GGEC PESTICIDES/SOIL/GGEC PESTICIDES/SOIL/GGEC PESTICIDES/SOIL/GGEC PESTICIDES/SOIL/GGEC PESTICIDES/SOIL/GGEC PESTICIDES/SOIL/GGEC PESTICIDES/SOIL/GGEC PESTICIDES/SOIL/GGEC	PESTICIDES/WATER/GCEC PESTICIDES/WATER/GCEC PESTICIDES/WATER/GCEC PESTICIDES/WATER/GCEC PESTICIDES/WATER/GCEC PESTICIDES/WATER/GCEC PESTICIDES/WATER/GCEC PESTICIDES/WATER/GCEC PESTICIDES/WATER/GCEC PESTICIDES/WATER/GCEC PESTICIDES/WATER/GCEC PESTICIDES/WATER/GCEC
Contractor	ABB-ES ABB-ES	ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES	ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES

Appendix D-3 Table: D-16 FT. DEVENS DV4 1996 PEST/PCB SURROGATE RECOVERIES

ontractor	Contractor Method Description	IRDMIS Method Code	Test Name	IRDMIS Site ID		Lab Number	Sample Lot Date	Analysis Date	sis	Spike Value		Percent Recovery
ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES	PESTICIDES/WATER/GCEC PESTICIDES/WATER/GCEC PESTICIDES/WATER/GCEC PESTICIDES/WATER/GCEC PESTICIDES/WATER/GCEC PESTICIDES/WATER/GCEC PESTICIDES/WATER/GCEC PESTICIDES/WATER/GCEC PESTICIDES/WATER/GCEC PESTICIDES/WATER/GCEC PESTICIDES/WATER/GCEC PESTICIDES/WATER/GCEC PESTICIDES/WATER/GCEC	######################################	CL 108P CL 108	574-96-11X 574-96-12X 574-96-13X 574-96-10X 574-96-11X 574-96-11X 574-96-11X 574-96-07X 574-96-03X 574-96-03X	MD5711X1 MX5712X1 MX5713X1 MX5703X1 MX5711X1 MX5711X1 MX5703X3 MX5703X3 MX5703X3	DV4#*305 DV4#*307 DV4#*534 DV4#*535 DV4#*535 DV4#*535 DV4#*535 DV4#*535 DV4#*535 DV4#*535 DV4#*535 DV4#*537 DV4#*537 DV4#*537 DV4#*537 DV4#*537	7086 02-007-96 17086 02-007-96 17086 02-007-96 17086 01-007-96 17086 02-007-96 17086 02-007-96 17086 02-007-96 17086 02-007-96 17086 02-007-96	9 02-0CT-96 31-0CT-96 102-0CT-96 31-0CT-96 102-0CT-96 31-0CT-96 101-0CT-96 31-0CT-96 102-0CT-96 31-0CT-96 31-0CT-96 31-0CT-96 31-0CT-96 31-0CT-96 30-0CT-96	28888888888888888888888888888888888888	<i>រប់រប់រប់រប់រប់រប់រ</i> ប់	. 202 UGL . 748 UGL . 357 UGL . 761 UGL . 1.06 UGL . 313 UGL . 34 UGL . 36 UGL	26.2 28.6 28.6 27.1 27.1 27.1 27.1 27.1 27.1 27.1 27.1
ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES	PESTICIDES/WATER/GCEC PESTICIDES/WATER/GCEC PESTICIDES/WATER/GCEC PESTICIDES/WATER/GCEC PESTICIDES/WATER/GCEC PESTICIDES/WATER/GCEC PESTICIDES/WATER/GCEC PESTICIDES/WATER/GCEC PESTICIDES/WATER/GCEC PESTICIDES/WATER/GCEC PESTICIDES/WATER/GCEC PESTICIDES/WATER/GCEC	222222222 2222222222 2222222222	CL4XYL CL	574-96-11X 574-96-12X 574-96-13X 574-96-10X 574-96-10X 574-95-03X 574-95-03X 574-95-03X	MS 571X1 MX 5712X1 MX 5713X1 MX 5703X1 MX 5711X1 MX 6307X3 MX 5703X3 MX 5703X3 MX 5703X3	DV4#*305 DV4#*330 DV4#*534 DV4#*534 DV4#*537 DV4#*537 DV4#*537 DV4#*537 DV4#*537 DV4#*537 DV4#*537 DV4#*537 DV4#*537 DV4#*537 DV4#*537 DV4#*537 DV4#*537	TORG 02-0CT-96 TORG 02-0CT-96 TORG 01-0CT-96 TORG 02-0CT-96 TORG 02-0CT-96 TORG 02-0CT-96 TORG 02-0CT-96 TORG 02-0CT-96 TORG 02-0CT-96	96 31-0CT-96 96 31-0CT-96 96 31-0CT-96 96 31-0CT-96 96 31-0CT-96 96 31-0CT-96 96 30-0CT-96 96 30-0CT-96	88888888 1-1-1-1-1-88888	<u> </u>	1.12 UGL 1.03 UGL 1.23 UGL 1.23 UGL 1.14 UGL 1.02 UGL 848 UGL 836 UGL	88888888888888888888888888888888888888

APPENDIX D-3 TABLE D-17 USEPA CLP SPIKE PRECISION CRITERIA FOR PESTICIDES

1995 AOC 57 AND 69W REMEDIAL INVESTIGATION FORT DEVENS, MASSACHUSETTS

. SPIKE COMPOUND	RPD LIMITS FOR WATER
Lindane (gamma-BHC)	15
Heptachlor	20
Aldrin	22
Dieldrin	18
Endrin	21
4,4-DDT	27

Appendix D-3 Table: D-18 FIELD DUPLICATE RESULTS FT. DEVENS DV4 1996

•		,	•					
RPD	3.4%.2 3.1.1.2	3.9 3.9 66.7		0.0	oʻoʻ	öö	o.o.	24.1 24.1 93.4
Value Unit	1.610E+09 UGL 1.140E+09 UGL 85000000 UGL 82400000 UGL	26000 UGL 25000 UGL 8000 UGL 4000 UGL	169000 UGL 167000 UGL 174000 UGL 170000 UGL	7.98 UGG 7.98 UGG	8 UGG 8 UGG	8 UGG 8 UGG	50 UGG 50 UGG	35.4 UGG 27.8 UGG 57.5 UGG 20.9 UGG
Lab Sample Analysis Number Lot Date <	DV4W*535 ZKGN 02-0CT-96 14-0CT-96 DV4W*335 ZKGN 02-0CT-96 14-0CT-96 DV4W*304 ZKGN 30-SEP-96 14-0CT-96 DV4W*510 ZKGN 30-SEP-96 14-0CT-96	DV4M*535 ZKJM 02-0CT-96 07-0CT-96 DV4M*305 ZKJM 02-0CT-96 07-0CT-96 DV4M*304 ZKJM 30-SEP-96 07-0CT-96 DV4M*510 ZKJM 30-SEP-96 07-0CT-96 <	DV4H*305 ZKEO 02-0CT-96 22-0CT-96 < DV4H*535 ZKEO 02-0CT-96 22-0CT-96 < DV4H*510 ZKEO 30-SEP-96 22-0CT-96 < DV4H*304 ZKEO 30-SEP-96 22-0CT-96 <	DV4S*529 QE1V 03-SEP-96 17-SEP-96 < DV4S*539 QE1V 03-SEP-96 17-SEP-96 <	DV4S*539 QEIV 03-SEP-96 17-SEP-96 < DV4S*529 QEIV 03-SEP-96 17-SEP-96 <	DV4S*539 QE1V 03-SEP-96 17-SEP-96 < DV4S*529 QE1V 03-SEP-96 17-SEP-96 <	DV4S*529 QEIV 03-SEP-96 17-SEP-96 < DV4S*539 QEIV 03-SEP-96 17-SEP-96 <	DV4S*539 ZENO 03-SEP-96 25-SEP-96 DV4S*529 ZENO 03-SEP-96 25-SEP-96 DV4S*530 ZELO 23-AUG-96 18-SEP-96 DV4S*538 ZELO 23-AUG-96 18-SEP-96
IRDNIS Field IRDMIS Sample Site ID Number	57N-96-11X MX5711X1 57N-96-11X MD5711X1 5MN-86-19X MDZU19X1 ZMN-96-19X MXZU19X1	57M-96-11X MS5711X1 57M-96-11X MD5711X1 ZWM-96-19X MDZW19X1 ZWM-96-19X MXZW19X1	57M-96-11X MD5711X1 57M-96-11X MX5711X1 ZMM-96-19X MXZU19X1 ZMM-96-19X MDZU19X1	578-96-11X BX571110 578-96-11X BD571110	578-96-11X BD571110 578-96-11X BX571110	578-96-11X BD571110 578-96-11X BX571110	578-96-11X BX571110 578-96-11X BD571110	578-96-11X BD571110 578-96-11X BX571110 ZMB-96-03X BXZW0306 ZMB-96-03X BDZW0306
Test Name	HARD HARD HARD	15S 15S 15S 15S	TPHC TPHC TPHC	DIESEL	TPHAVG TPHAVG	TPHGAS TPHGAS	TPHMO TPHMO	TPAC TPAC TPAC TPAC
IRDMIS Method Code	1302 1302 1302 1302	1602 1602 1602 1602	4181 4181 4181	8015 8015	8015 8015	8015 8015	8015 8015	9071 9071 9071 9071
Contractor Method Description	ABB-ES ABB-ES ABB-ES ABB-ES	ABB-ES ABB-ES ABB-ES ABB-ES	ABB-ES ABB-ES ABB-ES ABB-ES	ABB-ES ABB-ES	ABB-ES ABB-ES	ABB-ES ABB-ES	ABB-ES ABB-ES	ABB-ES ABB-ES ABB-ES ABB-ES

Appendix D-3 Table: D-18 FIELD DUPLICATE RESULTS FT. DEVENS DV4 1996

Contractor	Contractor Method Description	IRDMIS Method Code	Test Name	IRDMIS SE Site ID NU	IRDMIS Field Sample Number	Lab Number	Sample Lot Date	o l	Analysis Date <	Value	Unit	RPD
ABB-ES ABB-ES	METALS/SOIL/CVAA METALS/SOIL/CVAA	JB01 JB01	25 35 35	578-96-11X BX 578-96-11X BE	BX571110 BD571110	DV4S*529 (OHDH 03-SI	03-SEP-96 15 03-SEP-96 15	03-SEP-96 15-SEP-96 < 03-SEP-96 15-SEP-96 <	.05	nee Oee	. 0.0
ABB-ES ABB-ES	METALS/SOIL/GFAA METALS/SOIL/GFAA	3015 2015	8 8	578-96-11X B) 578-96-11X BC	BX571110 BD571110	DV4S*529 P	MBCG 03-SI MBCG 03-SI	03-SEP-96 24 03-SEP-96 24	03-SEP-96 24-SEP-96 < 03-SEP-96 24-SEP-96 <	. 25. 1. 25.	990 000	óó
ABB-ES ABB-ES	METALS/SOIL/GFAA METALS/SOIL/GFAA	1017 1017	88	578-96-11X B) 578-96-11X BC	BX571110 BD571110	DV4S*529 (088G 03-S 088G 03-S	EP-96 24	03-SEP-96 24-SEP-96 03-SEP-96 24-SEP-96	2.05 L 1.91 L	990 Nee	7.1
ABB-ES ABB-ES	METALS/SOIL/GFAA METALS/SOIL/GFAA	1019 1019	AS AS	578-96-11X BC 578-96-11X B)	BD571110 BX571110	DV4S*539 (OBLG 03-SI	03-SEP-96 25 03-SEP-96 25	25-SEP-96 25-SEP-96	5.17 L 4.8 L	990 Nee	7.4
ABB-ES ABB-ES	METALS/SOIL/FURNACE METALS/SOIL/FURNACE	JD24 JD24	겉겉	578-96-11X B) 578-96-11X BI	BX571110 BD571110	DV4S*529 P	RBSB 03-SI RBSB 03-SI	EP-96 24	03-SEP-96 24-SEP-96 < 03-SEP-96 24-SEP-96 <	2.5	nee nee	0.0
ABB-ES ABB-ES	METALS/SOIL/FURNACE METALS/SOIL/FURNACE		88	578-96-11X B) 578-96-11X BC	BX571110 BD571110	DV4S*529 9	SBXB 03-SI SBXB 03-SI	03-SEP-96 22 03-SEP-96 22	23-SEP-96 < 23-SEP-96 <	1.09 L	950	o o
ABB-ES ABB-ES	METALS/SOIL/ICP METALS/SOIL/ICP	JS16 JS16	AG AG	578-96-11X B) 578-96-11X BD	BX571110 BD571110	DV4S*529 L	UBNI 03-SI UBNI 03-SI	03-SEP-96 26 03-SEP-96 26	03-SEP-96 26-SEP-96 < 03-SEP-96 26-SEP-96 <	.589	066 UGG	٠.٠
ABB-ES ABB-ES	METALS/SOIL/ICP METALS/SOIL/ICP	JS16 JS16	AL AL	578-96-11X B) 578-96-11X BD	BX571110 BD571110	DV4S*529 (DV4S*539 (UBNI 03-SI UBNI 03-SI	03-SEP-96 26 03-SEP-96 26	26-SEP-96 26-SEP-96	3940 L 3370 L	ugg 1	15.6 15.6
ABB-ES ABB-ES	METALS/SOIL/ICP METALS/SOIL/ICP	JS16 JS16	BA BA	578-96-11X B) 578-96-11X BI	BX571110 BD571110	DV4S*529 1 DV4S*539 1	UBNI 03-SI UBNI 03-SI	EP-96 26 EP-96 26	03-SEP-96 26-SEP-96 03-SEP-96 26-SEP-96	15.5 L	UGG T	16.0 16.0

Appendix D-3 Table: D-18 FIELD DUPLICATE RESULTS FT. DEVENS DV4 1996

RPD	99	28.5 26.5	00	32.4 32.4	39.4 39.4	15.4 15.4	4.4 7.5	24.2	18.4 18.4	3.0	ผู้ผู้	7.4
Value Unit	.5 UGG	1380 UGG 602 UGG	.7 UGG .7 UGG	1.97 UGG 1.42 UGG	6.04 UGG 4.05 UGG	4.97 UGG 4.26 UGG	5010 UGG 4790 UGG	742 UGG 582 UGG	1190 UGG 989 UGG	57.8 UGG 56.1 UGG	542 UGG 535 UGG	6.99 UGG 6.49 UGG
Sample Analysis Lot Date Date	DV4S*529 UBNI 03-SEP-96 26-SEP-96 < DV4S*539 UBNI 03-SEP-96 26-SEP-96 <	DV4S*539 UBNI 03-SEP-96 26-SEP-96 DV4S*529 UBNI 03-SEP-96 26-SEP-96	DV4S*529 UBNI 03-SEP-96 26-SEP-96 < DV4S*539 UBNI 03-SEP-96 26-SEP-96 <	DV4S*529 LBNI 03-SEP-96 26-SEP-96 DV4S*539 LBNI 03-SEP-96 26-SEP-96 <	DV4S*529 UBNI 03-SEP-96 26-SEP-96 OV4S*539 UBNI 03-SEP-96 26-SEP-96 <	DV4S*539 UBNI 03-SEP-96 26-SEP-96 DV4S*529 UBNI 03-SEP-96 26-SEP-96	DV4S*539 UBNI 03-SEP-96 26-SEP-96 DV4S*529 UBNI 03-SEP-96 26-SEP-96	DV4S*529 UBNI 03-SEP-96 26-SEP-96 DV4S*539 UBNI 03-SEP-96 26-SEP-96	DV4S*529 UBNI 03-SEP-96 26-SEP-96 DV4S*539 UBNI 03-SEP-96 26-SEP-96	DV4S*529 UBNI 03-SEP-96 26-SEP-96 DV4S*539 UBNI 03-SEP-96 26-SEP-96	DV4S*529 UBNI 03-SEP-96 26-SEP-96 DV4S*539 UBNI 03-SEP-96 26-SEP-96	DV4S*529 UBNI 03-SEP-96 26-SEP-96 DV4S*539 UBNI 03-SEP-96 26-SEP-96
IRDMIS Field Sample Number	578-96-11X BX571110 DV 578-96-11X BD571110 DV	578-96-11X BX571110 DV 578-96-11X BX571110 DV	578-96-11X BX571110 DV 578-96-11X BD571110 DV	578-96-11X BX571110 DV 578-96-11X BD571110 DV	578-96-11X BX571110 DV 578-96-11X BD571110 DV	578-96-11X BD571110 DV 578-96-11X BX571110 DV	578-96-11X BD571110 DV 578-96-11X BX571110 DV	578-96-11X BD571110 DV 578-96-11X BD571110 DV	578-96-11X BX571110 DV 578-96-11X BD571110 DV			
IRDMIS Method Test Code Name	JS16 BE JS16 BE	JS16 CA JS16 CA	JS16 CD JS16 CD	JS16 CO JS16 CO	JS16 CR JS16 CR	JS16 ເປ JS16 ເປ	JS16 FE JS16 FE	JS16 K JS16 K	JS16 MG JS16 MG	JS16 MN JS16 MN	JS16 NA JS16 NA	JS16 NI JS16 NI
Contractor Method Description	METALS/SOIL/ICP METALS/SOIL/ICP	METALS/SOIL/ICP METALS/SOIL/ICP	METALS/SOIL/ICP METALS/SOIL/ICP	METALS/SOIL/ICP METALS/SOIL/ICP	METALS/SOIL/ICP METALS/SOIL/ICP	METALS/SOIL/ICP METALS/SOIL/ICP	METALS/SOIL/ICP METALS/SOIL/ICP	METALS/SOIL/ICP METALS/SOIL/ICP	METALS/SOIL/ICP METALS/SOIL/ICP	METALS/SOIL/ICP METALS/SOIL/ICP	METALS/SOIL/ICP METALS/SOIL/ICP	METALS/SOIL/ICP METALS/SOIL/ICP
Contractor	ABB-ES ABB-ES	ABB-ES ABB-ES	ABB-ES ABB-ES	ABB-ES ABB-ES	ABB-ES ABB-ES	ABB-ES ABB-ES	ABB-ES ABB-ES	ABB-ES ABB-ES	ABB-ES ABB-ES	ABB-ES ABB-ES	ABB-ES ABB-ES	ABB-ES ABB-ES

Appendix D-3 Table: D-18 FIELD DUPLICATE RESULTS FI. DEVENS DV4 1996

Contractor	Contractor Method Description	IRDNIS Method Code	Test Name	IRDMIS Site ID	IRDMIS Field Sample Number	Lab Number	Sample Lot Date	Analysis Date	sis	Value Unit	RPD
ABB-ES ABB-ES	METALS/SOIL/ICP METALS/SOIL/ICP	JS16 JS16	>>	578-96-11X 578-96-11X	BX571110 BD571110	DV4S*529 DV4S*539	UBNI 03-SEP-96 UBNI 03-SEP-96	-96 26-SEP-96 -96 26-SEP-96	96-d 96-d	6.34 UGG 5.55 UGG	13.3 13.3
ABB-ES ABB-ES	METALS/SOIL/ICP METALS/SOIL/ICP	JS16 JS16	Z ZN	578-96-11X I 578-96-11X I	BX571110 BD571110	DV4S*529 DV4S*539	UBNI 03-SEP-96 UBNI 03-SEP-96	96 26-SEP-96 96 26-SEP-96	96-4 8-96	16 UGG 14.9 UGG	7.1
ABB-ES ABB-ES	PESTICIDES/SOIL/GCEC PESTICIDES/SOIL/GCEC	LH10 LH10	ABHC ABHC	578-96-11X BX571110 578-96-11X BD571110	BX571110 BD571110	DV4S*529 DV4S*539	UFRF 03-SEF UFRF 03-SEP	03-SEP-96 11-0CT-96 03-SEP-96 11-0CT-96	> 96-1 > 96-1	200707. 200700.	0.0
ABB-ES ABB-ES	PESTICIDES/SOIL/GCEC PESTICIDES/SOIL/GCEC	LH10	ACLDAN	578-96-11X I 578-96-11X I	BD571110 BX571110	DV4S*539 (UFRF 03-SEP-96 UFRF 03-SEP-96	-96 11-0CT-96 -96 11-0CT-96	-96 × 1-96 ×	.005 UGG .005 UGG	00
ABB-ES ABB-ES	PESTICIDES/SOIL/GCEC PESTICIDES/SOIL/GCEC	LH10 LH10	AENSLF AENSLF	578-96-11X I 578-96-11X I	BD571110 BX571110	DV4S*539 (UFRF 03-SEP UFRF 03-SEP	03-SEP-96 11-0CT-96 03-SEP-96 11-0CT-96	- 36 × 1-96 ×	.00602 UGG .00602 UGG	o o
ABB-ES ABB-ES	PESTICIDES/SOIL/GCEC PESTICIDES/SOIL/GCEC	LH10 LH10	ALDRN ALDRN	578-96-11X E 578-96-11X E	BX571110 BD571110	DV45*529 I	UFRF 03-SEF UFRF 03-SEP	03-SEP-96 11-0CT-96 03-SEP-96 11-0CT-96	> %-1 > %-1	.00729 UGG .00729 UGG	00
ABB-ES ABB-ES	PESTICIDES/SOIL/GCEC PESTICIDES/SOIL/GCEC	LH10	881C 881C	578-96-11X E	BD571110 BX571110	DV4S*539 DV4S*529	UFRF 03-SEP UFRF 03-SEP	03-SEP-96 11-0CT-96 03-SEP-96 11-0CT-96	> %-1 > %-1	.00257 UGG .00257 UGG	o.o.
ABB-ES ABB-ES	PESTICIDES/SOIL/GCEC	LH10 LH10	BENSLF BENSLF	578-96-11X E 578-96-11X E	BD571110 BX571110	DV4S*539 1 DV4S*529 1	UFRF 03-SEP-96 UFRF 03-SEP-96	03-SEP-96 11-0CT-96 03-SEP-96 11-0CT-96	7-96 < 1-96 <	.00663 UGG .00663 UGG	00
ABB-ES ABB-ES	PESTICIDES/SOIL/GCEC	LH10 LH10	DBHC	578-96-11X B 578-96-11X B	BD571110 BX571110	DV4S*539 (UFRF 03-SEP-96 UFRF 03-SEP-96	-96 11-0CT-96 -96 11-0CT-96	- 36 × 1-96 ×	.00555 UGG .00555 UGG	99
ABB-ES ABB-ES	PESTICIDES/SOIL/GCEC PESTICIDES/SOIL/GCEC	LH10 LH10	DLDRN	578-96-11X E 578-96-11X E	BD571110 BX571110	DV4S*539 (UFRF 03-SEP-96 UFRF 03-SEP-96	03-SEP-96 11-0CT-96 03-SEP-96 11-0CT-96	> 96-1 - 96 -	.00629 UGG .00629 UGG	00
ABB-ES ABB-ES	PESTICIDES/SOIL/GCEC PESTICIDES/SOIL/GCEC	LH10	ENDRN	578-96-11X E 578-96-11X E	BD571110 BX571110	DV4S*539 1 DV4S*529 1	UFRF 03-SEP-96 ' UFRF 03-SEP-96 '	-96 11-0CT-96 -96 11-0CT-96	1-96 < 1-96 <	.00657 UGG .00657 UGG	0.0

Appendix D-3 Table: D-18 FIELD DUPLICATE RESULTS FT. DEVENS DV4 1996

RPD	0.0	0.0	o.o.	99	0.0	0.0	0.0	0.0	0.0	0.0	.	
Value Unit	.024 UGG .024 UGG	.024 UGG .024 UGG	.00763 UGG .00763 UGG	.005 UGG .005 UGG	.00618 UGG .00618 UGG	.0062 UGG .0062 UGG	.00461 UGG .00461 UGG	.00638 UGG	.0711 UGG	.00826 UGG .00826 UGG	.00765 UGG .00765 UGG	.00707 UGG .00707 UGG
Sample Analysis er Lot Date Date <	DV4S*539 UFRF 03-SEP-96 11-0CT-96 < DV4S*529 UFRF 03-SEP-96 11-0CT-96 <	DV4S*539 UFRF 03-SEP-96 11-OCT-96 < DV4S*529 UFRF 03-SEP-96 11-OCT-96 <	DV4S*539 UFRF 03-SEP-96 11-0CT-96 < DV4S*529 UFRF 03-SEP-96 11-0CT-96 <	DV4S*539 UFRF 03-SEP-96 11-0CT-96 < DV4S*529 UFRF 03-SEP-96 11-0CT-96 <	DV4S*539 UFRF 03-SEP-96 11-0C1-96 < DV4S*529 UFRF 03-SEP-96 11-0C1-96 <	DV4S*539 UFRF 03-SEP-96 11-0CT-96 < DV4S*529 UFRF 03-SEP-96 11-0CT-96 <	0V4S*539 UFRF 03-SEP-96 11-0CT-96 < 0.0V4S*529 UFRF 03-SEP-96 11-0CT-96 <	DV4S*539 UFRF 03-SEP-96 11-0CT-96 < DV4S*529 UFRF 03-SEP-96 11-0CT-96 <	0V4S*539 UFRF 03-SEP-96 11-0CT-96 < 0V4S*529 UFRF 03-SEP-96 11-0CT-96 <	DV4S*539 UFRF 03-SEP-96 11-0CT-96 < DV4S*529 UFRF 03-SEP-96 11-0CT-96 <	DV4S*539 UFRF 03-SEP-96 11-0CT-96 < DV4S*529 UFRF 03-SEP-96 11-0CT-96 <	0V4S*539 UFRF 03-SEP-96 11-0CT-96 < DV4S*529 UFRF 03-SEP-96 11-0CT-96 <
IRDMIS Field Freld Lab Site ID Number Number	578-96-11X BD571110 DV4S*53 578-96-11X BX571110 DV4S*53	578-96-11X BD571110 DV4S 578-96-11X BX571110 DV4S	578-96-11X BD571110 DV4S 578-96-11X BX571110 DV4S	578-96-11X BD571110 DV4S 578-96-11X BX571110 DV4S	578-96-11X BD571110 DV4S 578-96-11X BX571110 DV4S	578-96-11X BD571110 DV4S 578-96-11X BX571110 DV4S	578-96-11X BD571110 DV4S 578-96-11X BX571110 DV4S					
S Test Name	ENDRNA Endrna	ENDRNK Endrnk	ESFSO4 ESFSO4	GCLDAN	HPCL. HPCL	HPCLE HPCLE	I SOOR I SOOR	LIN	MEXCLR	PPDOD PPDOD	PPDDE PPDDE	PPDDT PPDDT
IRDMIS Method Code	EH 2	LH 26	LH30	LH10 LH10	LH10 LH10	LH10 LH10	LH10 LH10	LH10 LH10	LH10 LH10	LH10 LH10	LH10 LH10	LH10
Contractor Method Description	PESTICIDES/SOIL/GCEC PESTICIDES/SOIL/GCEC	PESTICIDES/SOIL/GCEC PESTICIDES/SOIL/GCEC	PESTICIDES/SOIL/GCEC PESTICIDES/SOIL/GCEC	PESTICIDES/SOIL/GCEC PESTICIDES/SOIL/GCEC	PESTICIDES/SOIL/GCEC PESTICIDES/SOIL/GCEC	PESTICIDES/SOIL/GCEC PESTICIDES/SOIL/GCEC	PESTICIDES/SOIL/GCEC PESTICIDES/SOIL/GCEC	PESTICIDES/SOIL/GCEC PESTICIDES/SOIL/GCEC	PESTICIDES/SOIL/GCEC PESTICIDES/SOIL/GCEC	PESTICIDES/SOIL/GCEC PESTICIDES/SOIL/GCEC	PESTICIDES/SOIL/GCEC PESTICIDES/SOIL/GCEC	PESTICIDES/SOIL/GCEC PESTICIDES/SOIL/GCEC
Contracto	ABB-ES ABB-ES	ABB-ES ABB-ES	ABB-ES ABB-ES	ABB-ES ABB-ES	ABB-ES ABB-ES	ABB-ES ABB-ES						

Appendix D-3 Table: D-18 FIELD DUPLICATE RESULTS FT. DEVENS DV4 1996

Contractor	Contractor Method Description	IRDMIS Method Code	Test Name	IRDMIS S Site ID N	IRDMIS Field Sample Number	Lab Number Lot	Sample t Date	Analysis Date	Value Unit	RPD
ABB-ES ABB-ES	PESTICIDES/SOIL/GCEC PESTICIDES/SOIL/GCEC	LH10	TXPHEN	578-96-11X B 578-96-11X B	BD571110 BX571110	DV4S*539 UF DV4S*529 UF	UFRF 03-SEP-96 UFRF 03-SEP-96	11-0CT-96 < 11-0CT-96 <	.444 UGG	00
ABB-ES ABB-ES	PESTICIDES/SOIL/GCEC PESTICIDES/SOIL/GCEC	LH16 LH16	PCB016 PCB016	578-96-11X B 578-96-11X B	BX571110 B0571110	DV45*529 NG DV4S*539 NG	NGKH 03-SEP-96 NGKH 03-SEP-96	10-0CT-96 < 10-0CT-96 <	.0666 UGG	
ABB-ES ABB-ES	PESTICIDES/SOIL/GCEC	LH16 LH16	PCB221 PCB221	578-96-11X B 578-96-11X B	BD571110 BX571110	DV4S*539 NG DV4S*529 NG	NGKH 03-SEP-96 NGKH 03-SEP-96	10-0CT-96 < 10-0CT-96 <	.082 UGG .082 UGG	0.0
ABB-ES ABB-ES	PESTICIDES/SOIL/GCEC	LH16 LH16	PCB232 PCB232	578-96-11X B 578-96-11X B	BX571110 BD571110	DV4S*529 NG DV4S*539 NG	NGKH 03-SEP-96 NGKH 03-SEP-96	10-0CT-96 < 10-0CT-96 <	.082 UGG .082 UGG	0.0
ABB-ES ABB-ES	PESTICIDES/SOIL/GCEC	LH16 LH16	PCB242 PCB242	578-96-11X B 578-96-11X B	BD571110 BX571110	DV4S*539 NG DV4S*529 NG	NGKH 03-SEP-96 NGKH 03-SEP-96	03-SEP-96 10-OCT-96 < 03-SEP-96 10-OCT-96 <	.082 UGG .082 UGG	0.0.
ABB-ES ABB-ES	PESTICIDES/SOIL/GCEC	LH16 LH16	PCB248 PCB248	578-96-11X B 578-96-11X B	BD571110 BX571110	DV4S*539 NG DV4S*529 NG	NGKH 03-SEP-96 NGKH 03-SEP-96	10-0CT-96 < 10-0CT-96 <	.082 UGG .082 UGG	0.0
ABB-ES ABB-ES	PESTICIDES/SOIL/GCEC	LH16 LH16	PCB254 PCB254	578-96-11X B 578-96-11X B	BD571110 BX571110	DV4S*539 NG DV4S*529 NG	NGKH 03-SEP-96 NGKH 03-SEP-96	10-0CT-96 < 10-0CT-96 <	.082 UGG .082 UGG	0.0
ABB-ES ABB-ES	PESTICIDES/SOIL/GCEC PESTICIDES/SOIL/GCEC	LH16 LH16	PCB260 PCB260	578-96-11X B 578-96-11X B	BD571110 BX571110	DV45*539 NG DV45*529 NG	NGKH 03-SEP-96 NGKH 03-SEP-96	10-0CT-96 < 10-0CT-96 <	.0804 UGG .0804 UGG	o.o.
ABB-ES ABB-ES	ORGANICS/SOIL/GCMS ORGANICS/SOIL/GCMS	LM18 LM18	124TCB 124TCB	578-96-11X B 578-96-11X B	BX571110 BD571110	DV4S*529 0E DV4S*539 0E	OEXK 03-SEP-96 OEXK 03-SEP-96	23-SEP-96 < 23-SEP-96 <	.04 UGG	o o
ABB-ES ABB-ES	ORGANICS/SOIL/GCMS ORGANICS/SOIL/GCMS	LM18	120CLB 120CLB	578-96-11X B 578-96-11X B	BD571110 BX571110	DV4S*539 OE DV4S*529 OE	OEXK 03-SEP-96 OEXK 03-SEP-96	23-SEP-96 < 23-SEP-96 <	.11 UGG .11 UGG	öö
ABB-ES ABB-ES	ORGANICS/SOIL/GCMS ORGANICS/SOIL/GCMS	LM18 LM18	130CLB 130CLB	578-96-11X B 578-96-11X B	BD571110 BX571110	DV4S*539 06 DV4S*529 06	OEXK 03-SEP-96 OEXK 03-SEP-96	23-SEP-96 < 23-SEP-96 <	.13 UGG .13 UGG	0.0

Appendix D-3 Table: D-18 FIELD DUPLICATE RESULTS FT. DEVENS DV4 1996

Test Name
4DCLB 578-96-11X
245TCP 578-96-11X 245TCP 578-96-11X
246TCP 578-96-11X 246TCP 578-96-11X
240CLP 578-96-11X 240CLP 578-96-11X
24DMPN 578-96-11X 24DMPN 578-96-11X
24DNP 578-96-11X 24DNP 578-96-11X
24DNT 578-96-11X 24DNT 578-96-11X
26DNT 578-96-11X 26DNT 578-96-11X
2CLP 578-96-11X 80571110 2CLP 578-96-11X 8X571110
2CNAP 578-96-11X 2CNAP 578-96-11X
ZMNAP 578-96-11X BD571110 ZMNAP 578-96-11X BX571110
578-96-11X

Appendix D-3 Table: D-18 FIELD DUPLICATE RESULTS FT. DEVENS DV4. 1996

RPO	0.	00	0,0	00	o o	öö	óó	66	o o	٥ö	öö	óó
Value Unit	.029 UGG	.062 UGG .062 UGG	.14 UGG .14 UGG	6.3 UGG 6.3 UGG	.45 UGG .45 UGG	.55 UGG .55 UGG	.033 UGG	.81 UGG .81 UGG	.095 UGG .095 UGG	.033 UGG	.24 UGG .24 UGG	.41 UGG
Sample Analysis Date Date <	< 03-SEP-96 23-SEP-96 <	< 03-SEP-96 23-SEP-96 < < 03-SEP-96 23-SEP-96 <	< 03-SEP-96 23-SEP-96 < 03-SEP-96 23-SEP-96 <	< 03-SEP-96 23-SEP-96 < < 03-SEP-96 23-SEP-96 <	< 03-SEP-96 23-SEP-96 < < 03-SEP-96 23-SEP-96 <	< 03-SEP-96 23-SEP-96 < < 03-SEP-96 23-SEP-96 <	< 03-SEP-96 23-SEP-96 < < 03-SEP-96 23-SEP-96 <	OEXK 03-SEP-96 23-SEP-96 <	<pre>< 03-SEP-96 23-SEP-96 < < 03-SEP-96 23-SEP-96 <</pre>	OEXK 03-SEP-96 23-SEP-96 <	<pre>< 03-SEP-96 23-SEP-96 < < 03-SEP-96 23-SEP-96 <</pre>	< 03-SEP-96 23-SEP-96 < 03-SEP-96 23-SEP-96 <
Lab Number Lot	DV4S*529 0EXK	DV4S*539 OEXK DV4S*529 OEXK	DV4S*539 OEXK DV4S*529 OEXK	DV4S*539 OEXK DV4S*529 OEXK	DV4S*539 OEXK DV4S*529 OEXK	DV4S*539 OEXK DV4S*529 OEXK	DV4S*539 OEXK DV4S*529 OEXK	DV4S*539 OEXI DV4S*529 OEXI	DV4S*539 OEXK DV4S*529 OEXK	DV4S*539 OEXK DV4S*529 OEXK	DV4S*539 OEXK DV4S*529 OEXK	DV4S*539 OEXK DV4S*529 OEXK
IRDMIS Field Sample Number	1 22	-11X BD571110 -11X BX571110	5-11X BD571110 5-11X BX571110	11X BD571110 11X BX571110	-11X BD571110 -11X BX571110	-11X BD571110 -11X BX571110	-11X BD571110 -11X BX571110	-11X BD571110 -11X BX571110	-11X BD571110 -11X BX571110	-11X BD571110 -11X BX571110	-11X BD571110 -11X BX571110	-11X BD571110 -11X BX571110
IRDMIS Site ID	57B-96-11X	578-96-11X 578-96-11X	578-96-11X 578-96-11X	578-96-11X 578-96-11X	578-96-11X 578-96-11X	578-96-11X 578-96-11X	578-96-11X 578-96-11X	578-96-11X 578-96-11X	578-96-11X 578-96-11X	578-96-11X 578-96-11X	578-96-11X 578-96-11X	578-96-11X 578-96-11X
Test Name	ZMP	2NANIL 2NANIL	2NP 2NP	330CBD 330CBD	3NAN1L 3NAN1L	46DN2C 46DN2C	4BRPPE 4BRPPE	4CANIL 4CANIL	25.134 25.134	add107	dw5	4NANIL 4NANIL
IRDMIS Method Code	LM18	LM18 LM18	LM18	LM18 LM18	LM18 LM18	LM18 LM18	LM18 LM18	LM18 LM18	LM18	LM18 LM18	LM18 LM18	LM18 LM18
Contractor Method Description	ORGANICS/SOIL/GCMS	ORGANICS/SOIL/GCMS ORGANICS/SOIL/GCMS	ORGANICS/SOIL/GCMS ORGANICS/SOIL/GCMS	ORGANICS/SOIL/GCMS ORGANICS/SOIL/GCMS	ORGANICS/SOIL/GCMS ORGANICS/SOIL/GCMS	ORGANICS/SOIL/GCMS ORGANICS/SOIL/GCMS	ORGANICS/SOIL/GCMS ORGANICS/SOIL/GCMS	ORGANICS/SOIL/GCMS ORGANICS/SOIL/GCMS	ORGANICS/SOIL/GCMS ORGANICS/SOIL/GCMS	ORGANICS/SOIL/GCMS ORGANICS/SOIL/GCMS	ORGANICS/SOIL/GCMS ORGANICS/SOIL/GCMS	ORGANICS/SOIL/GCMS ORGANICS/SOIL/GCMS
Contractor	ABB-ES	ABB-ES ABB-ES	ABB-ES ABB-ES	ABB-ES ABB-ES	ABB-ES ABB-ES	ABB-ES ABB-ES	ABB-ES ABB-ES	ABB-ES ABB-ES	ABB-ES ABB-ES	ABB-ES ABB-ES	ABB-ES ABB-ES	ABB-ES ABB-ES

Appendix D-3 Table: D-18 FIELD DUPLICATE RESULTS FT. DEVENS DV4 1996

RPD	öö			0.0	0.0	0.0.			o.o.	00	o.o.	o.o.
Value Unit	1.4 UGG 1.4 UGG	.036 UGG .036 UGG	.033 UGG .033 UGG	.033 UGG	.059 UGG .059 UGG	.2 UGG	.033 UGG .033 UGG	.62 UGG .62 UGG	.17 UGG .17 UGG	.25 UGG .25 UGG	.21 UGG .21 UGG	.17 UGG .17 UGG
Sample Analysis Lot Date Date	DV4S*539 OEXK 03-SEP-96 23-SEP-96 < DV4S*529 OEXK 03-SEP-96 23-SEP-96 <	DV4S*539 OEXK 03-SEP-96 23-SEP-96 < DV4S*529 OEXK 03-SEP-96 23-SEP-96 <	DV4S*539 OEXK 03-SEP-96 23-SEP-96 < DV4S*529 OEXK 03-SEP-96 23-SEP-96 <	DV4S*539 OEXK 03-SEP-96 23-SEP-96 < DV4S*529 OEXK 03-SEP-96 23-SEP-96 <	DV4S*539 OEXK 03-SEP-96 23-SEP-96 < DV4S*529 OEXK 03-SEP-96 23-SEP-96 <	DV4S*539 OEXK 03-SEP-96 23-SEP-96 < DV4S*529 OEXK 03-SEP-96 23-SEP-96 <	DV4S*539 OEXK 03-SEP-96 23-SEP-96 < DV4S*529 OEXK 03-SEP-96 23-SEP-96 <	DV4S*539 OEXK 03-SEP-96 23-SEP-96 < DV4S*529 OEXK 03-SEP-96 23-SEP-96 <	DV4S*539 OEXK 03-SEP-96 23-SEP-96 < DV4S*529 OEXK 03-SEP-96 23-SEP-96 <	DV4S*539 OEXK 03-SEP-96 23-SEP-96 < DV4S*529 OEXK 03-SEP-96 23-SEP-96 <	DV4S*539 OEXK 03-SEP-96 23-SEP-96 < DV4S*529 OEXK 03-SEP-96 23-SEP-96 <	DV4S*539 OEXK 03-SEP-96 23-SEP-96 < DV4S*529 OEXK 03-SEP-96 23-SEP-96 <
	578-96-11X BD571110 578-96-11X BX571110	578-96-11X BD571110 578-96-11X BX571110	578-96-11X BD571110 578-96-11X BX571110	578-96-11X 80571110 578-96-11X 8X571110	578-96-11X BD571110 578-96-11X BX571110	578-96-11X 8D571110 578-96-11X BX571110	578-96-11X 80571110 578-96-11X 8X571110	578-96-11X BD571110 578-96-11X BX571110	578-96-11X BD571110 578-96-11X BX571110	578-96-11X 80571110 578-96-11X BX571110	578-96-11X BD571110 578-96-11X BX571110	578-96-11X BD571110 578-96-11X BX571110
Test Name	4NP 4NP	ANAPNE ANAPNE	ANAPYL ANAPYL	ANTRC	B2CEXM B2CEXM	82CIPE 82CIPE	B2CLEE B2CLEE	B2EHP B2EHP	BAANTR	BAPYR BAPYR	BBFANT BBFANT	88ZP 88ZP
IRDMIS Method Code	LM18 LM18	LM18 LM18	LM18 LM18	LM18 LM18	LM18	LM18 LM18						
Contractor Method Description	ORGANICS/SOIL/GCMS ORGANICS/SOIL/GCMS											
Contractor	ABB-ES ABB-ES											

Appendix D-3 Table: D-18 FIELD DUPLICATE RESULTS FT. DEVENS DV4 1996

Contractor	Contractor Method Description	IRDMIS Method Code	Test	IRDMIS Site ID	IRDMIS Field Sample Number	Lab Number	Sample Lot Date	Φ.	Analysis Date <	Value Unit	RPD
ABB-ES ABB-ES	ORGANICS/SOIL/GCMS ORGANICS/SOIL/GCMS	LM18	BGHIPY BGHIPY	578-96-11X 578-96-11X	BD571110 BX571110	DV4S*539 DV4S*529	OEXK 03-	03-SEP-96 2 03-SEP-96 2	23-SEP-96 <	.25 UGG .25 UGG	0,0
ABB-ES ABB-ES	ORGANICS/SOIL/GCMS ORGANICS/SOIL/GCMS	LM18 LM18	BKFANT BKFANT	578-96-11X 578-96-11X	BD571110 BX571110	DV4S*539 DV4S*529	OEXK 03-9	03-SEP-96 2 03-SEP-96 2	23-SEP-96 < 23-SEP-96 <	.066 UGG .066 UGG	0.0
ABB-ES ABB-ES	ORGANICS/SOIL/GCMS ORGANICS/SOIL/GCMS	LM18 LM18	BZALC BZALC	578-96-11X 578-96-11X	BD571110 BX571110	DV45*539 DV4S*529	OEXK 03-9	03-SEP-96 2 03-SEP-96 2	23-SEP-96 < 23-SEP-96 <	. 19 UGG . 19 UGG	
ABB-ES ABB-ES	ORGANICS/SOIL/GCMS ORGANICS/SOIL/GCMS	LM18 LM18	CARBAZ	578-96-11X 578-96-11X	8D571110 8X571110	DV4S*539 DV4S*529	OEXK 03-9	03-SEP-96 2 03-SEP-96 2	23-SEP-96 < 23-SEP-96 <	.14 UGG .14 UGG	. o.
ABB-ES ABB-ES	ORGANICS/SOIL/GCMS ORGANICS/SOIL/GCMS	LM18 LM18	CHRY	578-96-11X 578-96-11X	BD571110 BX571110	DV4S*539 (DV4S*529)	OEXK 03-9 OEXK 03-9	03-SEP-96 2 03-SEP-96 2	23-SEP-96 < 23-SEP-96 <	. 12 UGG . 12 UGG	
ABB-ES ABB-ES	ORGANICS/SOIL/GCMS ORGANICS/SOIL/GCMS	LM18 LM18	28970 CL682	578-96-11X	BD571110 BX571110	DV4S*539 (DV4S*529)	OEXK 03-9	03-SEP-96 2 03-SEP-96 2	23-SEP-96 < 23-SEP-96 <	.033 UGG .033 UGG	
ABB-ES ABB-ES	ORGANICS/SOIL/GCMS ORGANICS/SOIL/GCMS	LM18 LM18	CL6CP	578-96-11X 578-96-11X	BD571110 BX571110	DV45*539 (OEXK 03-9	03-SEP-96 2 03-SEP-96 2	23-SEP-96 < 23-SEP-96 <	6.2 UGG 6.2 UGG	°.
ABB-ES ABB-ES	ORGANICS/SOIL/GCMS ORGANICS/SOIL/GCMS	LM18 LM18	CL6ET CL6ET	578-96-11X 578-96-11X	BD571110 BX571110	DV4S*539 (DV4S*529)	OEXK 03-8	03-SEP-96 2 03-SEP-96 2	23-SEP-96 < 23-SEP-96 <	.15 UGG .15 UGG	99
ABB-ES ABB-ES	ORGANICS/SOIL/GCMS ORGANICS/SOIL/GCMS	LM18 LM18	DBAHA DBAHA	578-96-11X 578-96-11X	BD571110 BX571110	DV4S*539 DV4S*529	OEXK 03-9	03-SEP-96 2 03-SEP-96 2	23-SEP-96 < 23-SEP-96 <	.21 UGG	00
ABB-ES ABB-ES	ORGANICS/SOIL/GCMS ORGANICS/SOIL/GCMS	LM18 LM18	DBZFUR DBZFUR	578-96-11X 578-96-11X	BD571110 BX571110	DV4S*539 (OEXK 03-9	03-SEP-96 2 03-SEP-96 2	23-SEP-96 < 23-SEP-96 <	.035 UGG .035 UGG	•••
ABB-ES ABB-ES	ORGANICS/SOIL/GCMS ORGANICS/SOIL/GCMS	LM18 LM18	DEP DEP	578-96-11X 578-96-11X	BD571110 BX571110	DV4S*539 DV4S*529	DEXK 03-9 DEXK 03-9	03-SEP-96 2 03-SEP-96 2	03-SEP-96 23-SEP-96 < 03-SEP-96 23-SEP-96 <	.24 UGG .24 UGG	o.o.
ABB-ES	ORGANICS/SOIL/GCMS	LM18	DMP	578-96-11X BD571110	BD571110	DV45*539	OEXK 03-	SEP-96 2	DV4S*539 GEXK 03-SEP-96 23-SEP-96 <	.17 UGG	٥.

Appendix D-3 Table: D-18 FIELD DUPLICATE RESULTS FT. DEVENS DV4 1996

RPD	0	0.0	o'o'	00	90	oo	0.0	0.0	0.0	0.0	0.0	o.o.
Value Unit	.17 טפק	.061 UGG .061 UGG	.19 UGG .19 UGG	.068 UGG	.033 UGG .033 UGG	.23 UGG 23 UGG	.29 UGG .29 UGG	.033 UGG	037 UGG .037 UGG	.045 UGG	.2 UGG	.19 UGG .19 UGG
Lab Sample Analysis Number Lot Date C	0V4S*529 0EXK 03-SEP-96 23-SEP-96 <	DV4S*539 OEXK 03-SEP-96 23-SEP-96 < DV4S*529 OEXK 03-SEP-96 23-SEP-96 <	DV4S*539 CEXK 03-SEP-96 23-SEP-96 < DV4S*529 CEXK 03-SEP-96 23-SEP-96 <	0V4S*539 OEXK 03-SEP-96 23-SEP-96 < 0V4S*529 OEXK 03-SEP-96 23-SEP-96 <	0V4S*539 CEXK 03-SEP-96 23-SEP-96 <	DV4S*539 CEXK 03-SEP-96 23-SEP-96 < DV4S*529 CEXK 03-SEP-96 23-SEP-96 <	0V4S*539 CEXK 03-SEP-96 23-SEP-96 < 0V4S*529 CEXK 03-SEP-96 23-SEP-96 <	0V4S*539 OEXK 03-SEP-96 23-SEP-96 < 0V4S*529 OEXK 03-SEP-96 23-SEP-96 <	0V4S*539 CEXK 03-SEP-96 23-SEP-96 < 00V4S*529 CEXK 03-SEP-96 23-SEP-96 <	0V4S*539 CEXK 03-SEP-96 23-SEP-96 < 0V4S*529 CEXK 03-SEP-96 23-SEP-96 <	0V4S*539 OEXK 03-SEP-96 23-SEP-96 < DV4S*529 OEXK 03-SEP-96 23-SEP-96 <	0V4S*539 OEXK 03-SEP-96 23-SEP-96 < 0V4S*529 OEXK 03-SEP-96 23-SEP-96 <
IRDMIS Field IRDMIS Sample Site ID Number	578-96-11X BX571110	578-96-11X BD571110 578-96-11X BX571110	578-96-11X BD571110 578-96-11X BX571110	578-96-11X BD571110 578-96-11X BX571110	578-96-11X BD571110 578-96-11X BX571110	578-96-11X BD571110 578-96-11X BX571110	578-96-11X BD571110 578-96-11X BX571110	578-96-11X 80571110 578-96-11X 8X571110	578-96-11X BD571110 578-96-11X BX571110	578-96-11X B0571110 578-96-11X BX571110	578-96-11X BD571110 578-96-11X BX571110	578-96-11X BD571110 578-96-11X BX571110
Test Name	DMP	DNBP	DNOP	FANT	FLRENE FLRENE	HCBO HCBO	ICDPYR ICDPYR	I SOPHR I SOPHR	NAP	88	NNDNPA	NNDPA
IRDMIS Method Code	LM18	LM18 LM18	LM18 LM18	LM18 LM18	LM18 LM18	LM18 LM18	LM18 LM18	LM18 LM18	LM18 LM18	LM18 LM18	LM18 LM18	EM13 8 EM13
Contractor Method Description	ORGANICS/SOIL/GCMS	ORGANICS/SOIL/GCMS ORGANICS/SOIL/GCMS	ORGANICS/SOIL/GCMS ORGANICS/SOIL/GCMS	ORGANICS/SOIL/GCMS ORGANICS/SOIL/GCMS	ORGANICS/SOIL/GCMS ORGANICS/SOIL/GCMS	ORGANICS/SOIL/GCMS ORGANICS/SOIL/GCMS	ORGANICS/SOIL/GCMS ORGANICS/SOIL/GCMS	ORGANICS/SOIL/GCMS ORGANICS/SOIL/GCMS	ORGANICS/SOIL/GCMS ORGANICS/SOIL/GCMS	ORGANICS/SOIL/GCMS ORGANICS/SOIL/GCMS	ORGANICS/SOIL/GCMS ORGANICS/SOIL/GCMS	ORGANICS/SOIL/GCMS ORGANICS/SOIL/GCMS
Contractor	ABB-ES	ABB-ES ABB-ES	ABB-ES ABB-ES	ABB-ES ABB-ES	ABB-ES ABB-ES	ABB-ES ABB-ES	ABB-ES ABB-ES	ABB-ES ABB-ES	ABB-ES ABB-ES	ABB-ES ABB-ES	ABB-ES ABB-ES	ABB-ES ABB-ES

Appendix D-3 Table: D-18 FIELD DUPLICATE RESULTS FT, DEVENS DV4 1996

RPD	0.0	o o	o.o.	o.o.	öö	0.0	o'o'	0.0	•••	00	00	٥.
Value Unit	1.3 UGG 1.3 UGG	.033 UGG .033 UGG	.11 UGG .11 UGG	.033 UGG .033 UGG	.0044 UGG .0044 UGG	.0054 UGG .0054 UGG	.0039 UGG .0039 UGG	.0023 UGG .0023 UGG	.003 UGG .003 UGG	.0017 UGG .0017 UGG	.0029 UGG .0029 UGG	.017 UGG
	0V4S*539 OEXK 03-SEP-96 23-SEP-96 < 0V4S*529 OEXK 03-SEP-96 23-SEP-96 <	048*539 OEXK 03-SEP-96 23-SEP-96 < 048*529 OEXK 03-SEP-96 <	DV4S*539 OEXK 03-SEP-96 23-SEP-96 < DV4S*529 OEXK 03-SEP-96 23-SEP-96 <	DV4S*529 CEXK 03-SEP-96 23-SEP-96 <	DWS*529 YGRK 03-SEP-96 11-SEP-96 < DWS*539 YGRK 03-SEP-96 11-SEP-96 <	DV4S*529 YGRK 03-SEP-96 11-SEP-96 < DV4S*539 YGRK 03-SEP-96 11-SEP-96 <	DV4S*529 YGRK 03-SEP-96 11-SEP-96 < DV4S*539 YGRK 03-SEP-96 11-SEP-96 <	DV4S*529 YGRK 03-SEP-96 11-SEP-96 < DV4S*539 YGRK 03-SEP-96 11-SEP-96 <	DV4S*539 YGRK 03-SEP-96 11-SEP-96 < DV4S*529 YGRK 03-SEP-96 11-SEP-96 <	DV4S*539 YGRK 03-SEP-96 11-SEP-96 < DV4S*529 YGRK 03-SEP-96 11-SEP-96 <	DV4S*539 YGRK 03-SEP-96 11-SEP-96 < DV4S*529 YGRK 03-SEP-96 11-SEP-96 <	DV4S*539 YGRK 03-SEP-96 11-SEP-96 <
IRDMIS Field Field IRDMIS Sample Site ID Number	578-96-11X BD571110 578-96-11X BX571110	578-96-11X BD571110 578-96-11X BX571110	578-96-11X BD571110 578-96-11X BX571110	578-96-11X BD571110 578-96-11X BX571110	578-96-11X BX571110 578-96-11X BD571110	578-96-11X BX571110 578-96-11X B0571110	578-96-11X BX571110 578-96-11X BD571110	578-96-11X BX571110 578-96-11X BD571110	578-96-11X BD571110 578-96-11X BX571110	578-96-11X BD571110 578-96-11X BX571110	578-96-11X BD571110 578-96-11X BX571110	578-96-11X BD571110
Test Name	20	PHANTR PHANTR	PHENOL PHENOL	PYR	111TCE 111TCE	112TCE 112TCE	110CE 110CE	11DCLE 11DCLE	120CE 120CE	120CLE 120CLE	120CLP 120CLP	ACET
IRDMIS Method Code	LM18	LM18 LM18	LM18 LM18	LM18 LM18	LM19 LM19	LM19 LM19	LM19 LM19	LM19 LM19	LM19 LM19	LM19 LM19	LM19 LM19	LM19
Contractor Method Description	ORGANICS/SOIL/GCMS ORGANICS/SOIL/GCMS	ORGANICS/SOIL/GCMS ORGANICS/SOIL/GCMS	ORGANICS/SOIL/GCMS ORGANICS/SOIL/GCMS	ORGANICS/SOIL/GCMS ORGANICS/SOIL/GCMS	VOLATILES/SOIL/GCMS VOLATILES/SOIL/GCMS	VOLATILES/SOIL/GCMS VOLATILES/SOIL/GCMS	VOLATILES/S01L/GCMS VOLATILES/S01L/GCMS	VOLATILES/SOIL/GCMS VOLATILES/SOIL/GCMS	VOLATILES/SOIL/GCMS	VOLATILES/SOIL/GCMS VOLATILES/SOIL/GCMS	VOLATILES/SOIL/GCMS	VOLATILES/SOIL/GCMS
Contractor	ABB-ES ABB-ES	ABB-ES ABB-ES	ABB-ES ABB-ES	ABB-ES ABB-ES	ABB-ES ABB-ES	ABB-ES ABB-ES	ABB-ES ABB-ES	ABB-ES ABB-ES	ABB-ES ABB-ES	· ABB-ES ABB-ES	ABB-ES ABB-ES	ABB-ES

Appendix D-3 Table: D-18 FIELD DUPLICATE RESULTS FI. DEVENS DV4 1996

Contractor	Contractor Method Description	IRDMIS Method Code	Test Name	IRDMIS Field IRDMIS Sample Site ID Number	Lab Number Lot	Sample Date	Analysis Date <	Value Unit	RPO
ABB-ES	VOLATILES/SOIL/GCMS	LM19	ACET	578-96-11X BX571110	DV4S*529 YGRK	03-SEP-96	11-SEP-96 <	.017 UGG	0.
ABB-ES ABB-ES	VOLATILES/SOIL/GCMS VOLATILES/SOIL/GCMS	LM19 LM19	BRDCLM	578-96-11X BD571110 578-96-11X BX571110	DV4S*539 YGRK DV4S*529 YGRK	. 03-SEP-96 . 03-SEP-96	11-SEP-96 < 11-SEP-96 <	.0029 UGG .0029 UGG	0.0
ABB-ES ABB-ES	VOLATILES/SOIL/GCMS VOLATILES/SOIL/GCMS	LM19	C130CP C130CP	578-96-11X B0571110 578-96-11X BX571110	DV4S*539 YGRK DV4S*529 YGRK	. 03-SEP-96 . 03-SEP-96	11-SEP-96 < 11-SEP-96 <	.0032 UGG .0032 UGG	<u>.</u>
ABB-ES ABB-ES	VOLATILES/SOIL/GCMS VOLATILES/SOIL/GCMS	LM19 LM19	C2AVE C2AVE	578-96-11X BX571110 578-96-11X BD571110	DV4S*529 YGRK DV4S*539 YGRK	03-SEP-96 03-SEP-96	11-SEP-96 < 11-SEP-96 <	.032 UGG .032 UGG	0.0.
A88-ES A88-ES	VOLATILES/SOIL/GCMS VOLATILES/SOIL/GCMS	LM19 LM19	C2H3CL C2H3CL	578-96-11X B0571110 578-96-11X BX571110	DV4S*539 YGRK DV4S*529 YGRK	03-SEP-96 03-SEP-96	11-SEP-96 < 11-SEP-96 <	.0062 UGG .0062 UGG	0.0
ABB-ES ABB-ES	VOLATILES/SOIL/GCMS VOLATILES/SOIL/GCMS	LM19 LM19	C2H5CL C2H5CL	578-96-11X BD571110 578-96-11X BX571110	DV4S*539 YGRK DV4S*529 YGRK	03-SEP-96	11-SEP-96 < 11-SEP-96 <	.012 UGG .012 UGG	0.0
ABB-ES ABB-ES	VOLATILES/SOIL/GCMS VOLATILES/SOIL/GCMS	LM19 LM19	9H92 C6H6	578-96-11X B0571110 578-96-11X BX571110	DV4S*539 YGRK DV4S*529 YGRK		03-SEP-96 11-SEP-96 < 03-SEP-96 11-SEP-96 <	.0015 UGG .0015 UGG	
ABB-ES ABB-ES	VOLATILES/SOIL/GCMS VOLATILES/SOIL/GCMS	LM19 LM19	CCL3F CCL3F	578-96-11X BD571110 578-96-11X BX571110	DV4S*539 YGRK DV4S*529 YGRK	(03-SEP-96 (03-SEP-96	11-SEP-96 < 11-SEP-96 <	.0059 UGG .0059 UGG	0.0
ABB-ES ABB-ES	VOLATILES/SOIL/GCMS VOLATILES/SOIL/GCMS	LM19 LM19	500 500 500 500	578-96-11X BD571110 578-96-11X BX571110	DV4S*539 YGRK DV4S*529 YGRK	(03-SEP-96 (03-SEP-96	11-SEP-96 < 11-SEP-96 <	.007 UGG .007 UGG	0.0
ABB-ES ABB-ES	VOLATILES/SOIL/GCMS VOLATILES/SOIL/GCMS	LM19 LM19	CH2CL2 CH2CL2	578-96-11X B0571110 578-96-11X BX571110	DV4S*539 YGRK DV4S*529 YGRK	(03-SEP-96 (03-SEP-96	11-SEP-96 < 11-SEP-96 <	.012 UGG .012 UGG	0.0
ABB-ES ABB-ES	VOLATILES/SOIL/GCMS VOLATILES/SOIL/GCMS	LM19 LM19	CH3BR CH3BR	578-96-11X 80571110 578-96-11X BX571110	DV4S*539 YGRK DV4S*529 YGRK	(03-SEP-96 (03-SEP-96	11-SEP-96 < 11-SEP-96 <	.0057 UGG .0057 UGG	•••
ABB-ES ABB-ES	VOLATILES/SOIL/GCMS VOLATILES/SOIL/GCMS	LM19 LM19	CH3CL CH3CL	578-96-11X BD571110 578-96-11X BX571110	DV4S*539 YGRK DV4S*529 YGRK	YGRK 03-SEP-96 11-SEP-96 YGRK 03-SEP-96 11-SEP-96	11-SEP-96 < 11-SEP-96 <	.0088 UGG .0088 UGG	o.o.

Appendix D-3 Table: D-18 FIELD DUPLICATE RESULTS FT. DEVENS DV4 1996

RPD	0.0	0.0	0.0	0.0	0.0	0.0		0.0	00	0.0	0.0	0.0
₹	- •	- •	- •			- •	£.6.			-		-
Unit	nge Nge	ngg Ngg	ngg ngg	990	. UGG	000 000	ogn s	ogo .	ngg Ngg	ngg Ngg	o nee	2 UGG
Value	6900	.00087 .00087	.00086 .00086	.0044 .0044	.0031	7100.	.00078	.07	.027	032	.0026	.0028
v	• • •	v v	v v	• • •	v v	v v	v	v v	v v	v v	v v	v v
sis	11-SEP-96 11-SEP-96					11-SEP-96 11-SEP-96	11-SEP-96 11-SEP-96				11-SEP-96 11-SEP-96	
Analy Date		6 11-s 6 11-s	6 11-s 6 11-s	6 11-s 6 11-s	6 11-s 6 11-s		6 11-S	6 11-S	6 11-S	6 11-S 6 11-S		% 11-8 % 11-8
Sample Date	03-SEP-96 03-SEP-96	03-SEP-96 11-SEP-96 03-SEP-96 11-SEP-96	03-SEP-96 11-SEP-96 03-SEP-96 11-SEP-96	03-SEP-96 11-SEP-96 03-SEP-96 11-SEP-96	03-SEP-96 11-SEP-96 03-SEP-96 11-SEP-96	03-SEP-96 03-SEP-96	03-SEP-96 03-SEP-96	03-SEP-96 11-SEP-96 03-SEP-96 11-SEP-96	03-SEP-96 11-SEP-96 03-SEP-96 11-SEP-96	03-SEP-96 11-SEP-96 03-SEP-96 11-SEP-96	03-SEP-96 03-SEP-96	03-SEP-96 11-SEP-96 03-SEP-96 11-SEP-96
S. Lot D.	YGRK O	YGRK 00 YGRK 00		YGRK O		YGRK 00 YGRK 00	YGRK 0.	YGRK 0. YGRK 0.	YGRK 0. YGRK 0.		YGRK 0. YGRK 0.	YGRK 0. YGRK 0.
Lab Number	0.0	DV4S*539 DV4S*529	DV4S*539 YGRK DV4S*529 YGRK	DV4S*539 DV4S*529	DV4S*539 YGRK DV4S*529 YGRK	DV4S*539 DV4S*529	DV4S*529 DV4S*539	DV4S*539 DV4S*529	DV4S*539 DV4S*529	DV4S*539 YGRK DV4S*529 YGRK	DV4S*539 DV4S*529	DV4S*539 DV4S*529
Lab Numb	!											
IRDMIS Field Sample Number	BD571110 BX571110	BD571110 BX571110	BD571110 BX571110	BD571110 BX571110	BD571110 BX571110	BD571110 BX571110	BX571110 BD571110	BD571110 BX571110	BD571110 BX571110	BD571110 BX571110	BD571110 BX571110	BD571110 BX571110
			-11X B					-11X B				
IRDMIS Site ID	578-96-11X 578-96-11X	578-96-11X 578-96-11X	578-96-11X 578-96-11X	578-96-11X 578-96-11X	578-96-11X 578-96-11X	578-96-11X 578-96-11X	578-96-11X 578-96-11X	578-96-11X 578-96-11X	578-96-11X 578-96-11X	578-96-11X 578-96-11X	578-96-11X 578-96-11X	578-96-11X 578-96-11X
	MM	mm	花花		55	ቭ ቭ	준준					გგ
Test Name	CABR3	CHOL3 CHOL3	CLC6H5 CLC6H5	CS2 CS2	DBRCLM	ETC6H5 ETC6H5	MEC6R5 MEC6R5	萧	M M M	MNBK	STYR	1130CP 1130CP
IRDMIS Method Code	LM19	LM19 LM19	LM19 LM19	LM 19	LM19 LM19	LM19	LM19	LM19	LM19 LM19	LM19 LM19	LM19	LM19
tion	/GCMS	/GCMS	/GCMS	/GCMS	/GCMS	/GCMS	/GCMS	/GOMS	/GCMS	/GCMS	/GCMS	/GCMS
Jescrip	1108/8	1108/8	110S/S	S/S011	110S/S	110S/S	S/S011	110S/S	110S/S	S/S011	110s/s	:S/S011
Contractor Method Description	VOLATILES/SOIL/GCMS	VOLATILES/SOIL/GCMS VOLATILES/SOIL/GCMS	VOLATILES/SOIL/GCMS	VOLATILES/SOIL/GCMS	VOLATILES/SOIL/GCMS	VOLATILES/SOIL/GCMS	VOLATILES/SOIL/GCMS	VOLATILES/SOIL/GCMS	VOLATILES/SOIL/GCMS	VOLATILES/SOIL/GCMS VOLATILES/SOIL/GCMS	VOLATILES/SOIL/GCMS VOLATILES/SOIL/GCMS	VOLATILES/SOIL/GCMS VOLATILES/SOIL/GCMS
ictor M												
Contra	ABB-ES ABB-ES	ABB-ES ABB-ES	ABB-ES ABB-ES	ABB-ES ABB-ES	ABB-ES ABB-ES	ABB-ES ABB-ES	ABB-ES ABB-ES	ABB-ES ABB-ES	ABB-ES ABB-ES	ABB-ES ABB-ES	ABB-ES ABB-ES	ABB-ES ABB-ES

Appendix D-3 Table: D-18 FIELD DUPLICATE RESULTS FI. DEVENS DV4 1996

Contractor	Contractor Nethod Description	IRDMIS Method Code	Test Name	IRDMIS Site ID	IRDMIS Field Sample Number	Lab Number 1	Sample Lot Date	<u>e</u>	Analysis Date <	Value Unit	RPD
ABB-ES ABB-ES	VOLATILES/SOIL/GCMS VOLATILES/SOIL/GCMS	LM19 LM19	TCLEA	578-96-11X 578-96-11X	BD571110 BX571110	DV4S*539)	YGRK 03-8 YGRK 03-8	03-SEP-96 1 03-SEP-96 1	03-SEP-96 11-SEP-96 <	.0024 UGG	9.0
ABB-ES ABB-ES	VOLATILES/SOIL/GCMS VOLATILES/SOIL/GCMS	LM19 LM19	TCLEE TCLEE	578-96-11X 578-96-11X	BD571110 BX571110	DV45*539 1	YGRK 03-8 YGRK 03-8	03-SEP-96 1 03-SEP-96 1	11-SEP-96 < 11-SEP-96 <	.00081 UGG	
ABB-ES ABB-ES	VOLATILES/SOIL/GCMS VOLATILES/SOIL/GCMS	LM19 LM19	TCLTFE TCLTFE	578-96-11X 578-96-11X	BD571110 BX571110	DV4S*539 \ DV4S*529 \	YGRK 03-8 YGRK 03-8	03-SEP-96 1 03-SEP-96 1	11-SEP-96 11-SEP-96	.012 UGG .0089 UGG	%.7 %.7
ABB-ES ABB-ES	VOLATILES/SOIL/GCMS VOLATILES/SOIL/GCMS	LM19 LM19	TRCLE	578-96-11X 578-96-11X	BD571110 BX571110	DV4S*539 1 DV4S*529 1	YGRK 03-8 YGRK 03-8	03-SEP-96 1 03-SEP-96 1	11-SEP-96 < 11-SEP-96 <	.0028 UGG .0028 UGG	0.0
ABB-ES ABB-ES	VOLATILES/SOIL/GCMS VOLATILES/SOIL/GCMS	LM19 LM19	XYLEN XYLEN	578-96-11X 578-96-11X	BD571110 BX571110	DV4S*539 1 DV4S*529 1	YGRK 03-5 YGRK 03-5	03-SEP-96 1 03-SEP-96 1	03-SEP-96 11-SEP-96 < 03-SEP-96 11-SEP-96 <	.0015 UGG .0015 UGG	00
ABB-ES ABB-ES	METALS/WATER/CVAA METALS/WATER/CVAA	SB01 SB01	<u> </u> 모	57M-96-11X 57M-96-11X	MD5711X1 MX5711X1	DV41#305 C	QJRF 02-C QJRF 02-C	02-0CT-96 2 02-0CT-96 2	22-0CT-96 < 22-0CT-96 <	.243 UGL .243 UGL	0.0.
ABB-ES ABB-ES	METALS/WATER/GFAA METALS/WATER/GFAA	8008 8009	겉겉	57M-96-11X 57M-96-11X	MD5711X1 MX5711X1	DV44*305 L DV44*535 L	UCGG 02-0 UCGG 02-0	02-0CT-96 2 02-0CT-96 2	29-0CT-96 < 29-0CT-96 <	6.99 UGL 6.99 UGL	
ABB-ES ABB-ES	METALS/WATER/GFAA METALS/WATER/GFAA	\$020 \$020	88	57M-96-11X MD5711X1 57M-96-11X MX5711X1	MD5711X1 MX5711X1	DV44*305 1	JCVH 02-C	CT-96 2 CT-96 2	MCVH 02-0CT-96 29-0CT-96 < MCVH 02-0CT-96 29-0CT-96 <	1.26 UGL 1.26 UGL	o.o.
ABB-ES ABB-ES	METALS/WATER/GFAA METALS/WATER/GFAA	\$021 \$021	88	57M-96-11X P	MD5711X1 MX5711X1	DV4W*305 X	XCLH 02-0CT-96 02-NOV-96 XCLH 02-0CT-96 02-NOV-96	02-0CT-96 0 02-0CT-96 0	02-NOV-96 < 02-NOV-96 <	3.02 UGL 3.02 UGL	o.o.
ABB-ES ABB-ES	METALS/WATER/GFAA METALS/WATER/GFAA	\$0.52 \$0.52	AS AS	57M-96-11X	MD5711X1 MX5711X1	DV44*305 Y DV44*535 Y	усан 02-0 үсөн 02-0	02-0CT-96 0 02-0CT-96 0	02-0CT-96 02-NOV-96 02-0CT-96 02-NOV-96	170 UGL 170 UGL	o.o.

Appendix D-3 Table: D-18 FIELD DUPLICATE RESULTS FT. DEVENS DV4 1996

RPD	0.0.	0.0	21.6 21.6	5.3	0.0	7. 7	00	o o	öö	o o	2.3
Value Unit	3.03 UG. 3.03 UG.	4.42 UGL 4.42 UGL	200 UGL 161 UGL	11.6 UGL 11 UGL	5 UGL 5 UGL	9730 UGL 9310 UGL	3.01 UG. 3.01 UG.	50 UGL 50 UGL	6.96 UGL 6.96 UGL	5 UG. 5 UG.	26500 UGL 25900 UGL
Lab Sample Analysis Number Lot Date <	DV44#305 NFKF 02-0CT-96 30-0CT-96 < DV44#535 NFKF 02-0CT-96 30-0CT-96 <	DV4H*305 0GDE 02-0CT-96 23-0CT-96 < DV4H*535 0GDE 02-0CT-96 23-0CT-96 <	DV44*305 0GDE 02-0CT-96 23-0CT-96 DV44*535 0GDE 02-0CT-96 23-0CT-96	DV44*305 0GDE 02-0CT-96 23-0CT-96 DV44*535 0GDE 02-0CT-96 23-0CT-96	DV44*535 OCDE 02-OCT-96 23-OCT-96 < DV44*305 OCDE 02-OCT-96 23-OCT-96 <	DV44*305 00DE 02-0CT-96 23-0CT-96 DV44*335 00DE 02-0CT-96 23-0CT-96	DV44*535 0GDE 02-0C1-96 23-0C1-96 < DV44*305 0GDE 02-0C1-96 23-0C1-96 <	DV44*305 0GDE 02-0CT-96 23-0CT-96 < DV44*535 0GDE 02-0CT-96 23-0CT-96 <	DV44*535 03DE 02-0CT-96 23-0CT-96 < DV44*305 03DE 02-0CT-96 23-0CT-96 <	DV4N*535 OCDE 02-OCT-96 23-OCT-96 < DV4N*305 OCDE 02-OCT-96 23-OCT-96 <	0V44*335 0GDE 02-0CT-96 23-0CT-96 DV44*335 0GDE 02-0CT-96 23-0CT-96
IRDMIS Field IRDMIS Sample Site ID Number	57A-96-11X MD5711X1 57A-96-11X MX5711X1	57M-96-11X MD5711X1 57M-96-11X MX5711X1	57M-96-11X MD5711X1 57M-96-11X MX5711X1	57M-96-11X MD5711X1 57M-96-11X MX5711X1	57M-96-11X MX5711X1 57M-96-11X MD5711X1	57M-96-11X MD5711X1 57M-96-11X MX5711X1	57M-96-11X MX5711X1 57M-96-11X MD5711X1	57M-96-11X MD5711X1 57M-96-11X MX5711X1	57M-96-11X MX5711X1 57M-96-11X MD5711X1	57M-96-11X MX5711X1 57M-96-11X MD5711X1	57M-96-11X MD5711X1 57M-96-11X MX5711X1
IRDMIS Method Test Code Name	SD 28 SB SD 28 SB	SS18 AG SS18 AG	SS18 AL SS18 AL	SS18 BA SS18 BA	SS18 BE SS18 BE	SS18 CA SS18 CA	SS18 CD SS18 CD	SS18 CO SS18 CO	SS18 CR SS18 CR	SS18 CU SS18 CU	SS18 FE SS18 FE
I M Contractor Method Description	METALS/WATER/GFAA S METALS/WATER/GFAA S	METALS/WATER/ICP S METALS/WATER/ICP S	METALS/WATER/ICP S METALS/WATER/ICP S	METALS/WATER/ICP S METALS/WATER/ICP S	METALS/WATER/ICP S METALS/WATER/ICP S	METALS/WATER/ICP S METALS/WATER/ICP S	METALS/WATER/ICP S METALS/WATER/ICP S	METALS/WATER/ICP S METALS/WATER/ICP S	METALS/WATER/ICP S METALS/WATER/ICP S	METALS/WATER/ICP S METALS/WATER/ICP S	METALS/WATER/ICP S METALS/WATER/ICP S
Contractor	ABB-ES ABB-ES	ABB-ES ABB-ES	ABB-ES I	ABB-ES ABB-ES	ABB-ES 1	ABB-ES ABB-ES	ABB-ES 1	ABB-ES ABB-ES	ABB-ES ABB-ES	ABB-ES ABB-ES	ABB-ES ABB-ES

Appendix D-3 Table: D-18 FIELD DUPLICATE RESULTS FT. DEVENS DV4 1996

RPD	13.3 13.3	o.o.	5.4	2.1.	0.0	0.0	0.0	13.8 0.0	7.6 7.6 6.3 6.3
Value Unit	1920 UGL 1680 UGL	1190 UGL 1190 UGL	2100 UGL 1990 UGL	4050 UGL 3990 UGL	7.11 UGL 7.11 UGL	4.69 UGL 4.69 UGL	35.8 UGL 35.8 UGL	448 UGL 390 UGL 183 UGL 183 UGL	70.8 UGL 65.6 UGL 19.8 UGL 18.6 UGL
Lab Sample Analysis Number Lot Date <	DV4W*305 GCDE 02-OCT-96 23-OCT-96 DV4W*535 GCDE 02-OCT-96 23-OCT-96	DV4W*335 OGDE 02-OCT-96 23-OCT-96 DV4W*305 OGDE 02-OCT-96 23-OCT-96	DV4H*305 OGDE 02-OCT-96 23-OCT-96 DV4H*535 OGDE 02-OCT-96 23-OCT-96	0V44*305 0GDE 02-0C1-96 23-0C1-96 0V44*535 0GDE 02-0C1-96 23-0C1-96	0V444535 0GDE 02-0CT-96 23-0CT-96 < 0V444535 0GDE 02-0CT-96 23-0CT-96 <	0V4H*535 0GDE 02-OCT-96 23-OCT-96 < 0V4H*305 0GDE 02-OCT-96 23-OCT-96 <	0V4H*335 0GDE 02-0CT-96 23-0CT-96 <	DV4H*535 SHOB 02-0CT-96 28-0CT-96 DV4H*305 SHOB 02-0CT-96 28-0CT-96 DV4H*304 SHOB 30-SEP-96 28-0CT-96 < DV4H*510 SHOB 30-SEP-96 28-0CT-96 <	DV4W*305 WHAC 02-0CT-96 22-0CT-96 DV4W*535 WHAC 02-0CT-96 22-0CT-96 DV4W*510 WHAC 30-SEP-96 22-0CT-96 DV4W*304 WHAC 30-SEP-96 22-0CT-96
IRDMIS Field IRDMIS Sample Site ID Number	57M-96-11X MD5711X1 57M-96-11X MX5711X1	57M-96-11X MX5711X1 57M-96-11X MD5711X1	57M-96-11X MD5711X1 57M-96-11X MX5711X1	57M-96-11X MD5711X1 57M-96-11X MX5711X1	57M-96-11X MX5711X1 57M-96-11X MD5711X1	57M-96-11X MX5711X1 57M-96-11X MD5711X1	57M-96-11X MX5711X1 57M-96-11X MD5711X1	57M-96-11X MX5711X1 57M-96-11X MD5711X1 ZMM-96-19X MDZW19X1 ZMM-96-19X MXZW19X1	57M-96-11X MD5711X1 57M-96-11X MX5711X1 ZWR-96-19X MXZW19X1 ZWR-96-19X MDZW19X1
Test Name	~ ~	MG MG	¥ ¥	N N	N I I	>>	N Z	NZKJEL NZKJEL NZKJEL NZKJEL	\$\$\$\$
IRDMIS Method Contractor Method Description Code	METALS/WATER/ICP SS18 METALS/WATER/ICP SS18	METALS/WATER/ICP SS18 METALS/WATER/ICP SS18	METALS/WATER/ICP SS18 METALS/WATER/ICP SS18	METALS/WATER/ICP SS18 METALS/WATER/ICP SS18	METALS/WATER/ICP SS18 METALS/WATER/ICP SS18 .	METALS/WATER/ICP SS18 METALS/WATER/ICP SS18	METALS/WATER/ICP SS18 METALS/WATER/ICP SS18	TOTAL NITROGEN/WATER/TECH TF26 TOTAL NITROGEN/WATER/TECH TF26 TOTAL NITROGEN/WATER/TECH TF26 TOTAL NITROGEN/WATER/TECH TF26	PHOSHATES/WATER/TECHNICON TF27 PHOSHATES/WATER/TECHNICON TF27 PHOSHATES/WATER/TECHNICON TF27 PHOSHATES/WATER/TECHNICON TF27
Contractor	ABB-ES ABB-ES	ABB-ES ABB-ES	ABB-ES ABB-ES	ABB-ES ABB-ES	ABB-ES ABB-ES	ABB-ES ABB-ES	ABB-ES ABB-ES	ABB-ES ABB-ES ABB-ES ABB-ES	ABB-ES ABB-ES ABB-ES ABB-ES

Appendix D-3 Table: D-18 FIELD DUPLICATE RESULTS FT. DEVENS DV4 1996

Contractor	Contractor Method Description	IRDMIS Method Code	Test Name	IRDMIS Site ID	ikumis Field Sample Number	Lab Number	S Lot D	Sample / Date [Analysis Date	v	Value Unit	RPD
ABB-ES ABB-ES	PESTICIDES/WATER/GCEC PESTICIDES/WATER/GCEC	UHO2 UHO2	PCB016 PCB016	57M-96-11X 57M-96-11X	MD5711X1 MX5711X1	DV4W*305 DV4W*535	30 Page 0	02-0CT-96 13-0CT-96 02-0CT-96 14-0CT-96		~ ~	.16 UG. .16 UG.	óó
ABB-ES ABB-ES	PESTICIDES/WATER/GCEC	UH02 UH02	PCB221 PCB221	57M-96-11X 57M-96-11X	MD5711X1 MX5711X1	DV4W*305 DV4W*535	SOOF 0	02-0CT-96 13-0CT-96 02-0CT-96 14-0CT-96		v v	.16 UGL .16 UGL	o o
ABB-ES ABB-ES	PESTICIDES/WATER/GCEC PESTICIDES/WATER/GCEC	UH02 UH02	PCB232 PCB232	57M-96-11X 57M-96-11X	MX5711X1 .	DV4W*535 DV4W*305	SOOF 0	02-0CT-96 1	14-0CT-96 13-0CT-96	v v ·	.16 UGL .16 UGL	o o
ABB-ES ABB-ES	PESTICIDES/WATER/GCEC	UH02 UH02	PCB242 PCB242	57M-96-11X 57M-96-11X	MX5711X1 MD5711X1	DV44*535 DV44*305	SOOF 0	02-0CT-96 14-0CT-96 02-0CT-96 13-0CT-96			.19 UGL .19 UGL	0.0
ABB-ES ABB-ES	PESTICIDES/WATER/GCEC PESTICIDES/WATER/GCEC	UH02 UH02	PCB248 PCB248	57M-96-11X 57M-96-11X	MX5711X1 MD5711X1	DV4W*535 DV4W*305	SOOF 0	02-0CT-96 14-0CT-96 02-0CT-96 13-0CT-96		v v	.19 UGL .19 UGL	o.o.
ABB-ES ABB-ES	PESTICIDES/WATER/GCEC	UH02 UH02	PCB254 PCB254	57M-96-11X 57M-96-11X	MX5711X1 MD5711X1	DV4W*535 DV4W*305	SDOF 0	02-0CT-96 14-0CT-96 02-0CT-96 13-0CT-96		v v	.19 UGL .19 UGL	
ABB-ES ABB-ES	PESTICIDES/WATER/GCEC PESTICIDES/WATER/GCEC	UH02 UH02	PCB260 PCB260	57M-96-11X 57M-96-11X	MD5711X1 MX5711X1	DV4W*305 DV4W*535	SDOF 0	02-0CT-96 13-0CT-96 02-0CT-96 14-0CT-96		v v	. 19 UGL . 19 UGL	0.0.
ABB-ES ABB-ES	PESTICIDES/WATER/GCEC PESTICIDES/WATER/GCEC	UH13 UH13	ABHC ABHC	57M-96-11X 57M-96-11X	MD5711X1 MX5711X1	DV4W*305 DV4W*535	108G 108G	02-0CT-96 31-0CT-96 02-0CT-96 31-0CT-96		v v	.0385 UGL .0385 UGL	0.0
ABB-ES ABB-ES	PESTICIDES/WATER/GCEC PESTICIDES/WATER/GCEC	UH13 UH13	ACLDAN ACLDAN	57M-96-11X 57M-96-11X	MX5711X1 MD5711X1	DV4W*535 DV4W*305	108G 0	02-0CT-96 31-0CT-96 02-0CT-96 31-0CT-96		v v	.075 UG. .075 UG.	0.0.
ABB-ES ABB-ES	PESTICIDES/WATER/GCEC PESTICIDES/WATER/GCEC	UH13 UH13	AENSL F AENSL F	57M-96-11X 57M-96-11X	MD5711X1 MX5711X1	DV4W*305 DV4W*535	108G 0 108G 0	02-0CT-96 31-0CT-96 02-0CT-96 31-0CT-96		v v	.023 UGL .023 UGL	0.0
ABB-ES ABB-ES	PESTICIDES/WATER/GCEC PESTICIDES/WATER/GCEC	UH13 UH13	ALDRN ALDRN	57M-96-11X 57M-96-11X	MX5711X1 MD5711X1	DV4W*535 DV4W*305	108G 0	02-0CT-96 31-0CT-96 02-0CT-96 31-0CT-96		v v	.0918 UGL .0918 UGL	0.0.
ABB-ES	PESTICIDES/WATER/GCEC	UH13	BBHC	57M-96-11X MX5711X1	MX5711X1	DV4W*535	TDBG 0	DV44*535 TDBG 02-0CT-96 31-0CT-96 <	31-0CT-96	•	.024 UGL	٥.

Appendix D-3 Table: D-18 FIELD DUPLICATE RESULTS FI. DEVENS DV4 1996

Contractor	Method Description	IRDMIS Method Code	Test Name	IRDMIS Field IRDMIS Sample Site ID Number	Lab Sample Analysis Number Lot Date Date	sis >	Value Unit	RPO
ABB-ES	PESTICIDES/WATER/GCEC	UH13	ввис	57M-96-11X MD5711X1	DV4W*305 TDBG 02-0C1-96 31-0CT-96	:1-96 <	.024 UGL	
ABB-ES ABB-ES	PESTICIDES/WATER/GCEC PESTICIDES/WATER/GCEC	UH13 UH13	BENSLF BENSLF	57M-96-11X MX5711X1 57M-96-11X MD5711X1	DV4N*335 TDBG 02-0CT-96 31-0CT-96 DV4N*305 TDBG 02-0CT-96 31-0CT-96	7-% < 7-% <	.023 UGL .023 UGL	0,0
ABB-ES ABB-ES	PESTICIDES/WATER/GCEC PESTICIDES/WATER/GCEC	UH13 UH13	DBHC DBHC	57M-96-11X MX5711X1 57M-96-11X MD5711X1	DV44*535 TDBG 02-0CT-96 31-0CT-96 DV44*305 TDBG 02-0CT-96	1-% < 1-% <	.0293 UGL .0293 UGL	00
ABB-ES ABB-ES	PESTICIDES/WATER/GCEC PESTICIDES/WATER/GCEC	UH13 UH13	DLDRN	57M-96-11X MX5711X1 57M-96-11X MD5711X1	DV4H*535 TDBG 02-0CT-96 31-0CT-96 DV4H*305 TDBG 02-0CT-96 31-0CT-96	1-% <	.024 UGL .024 UGL	00
ABB-ES ABB-ES	PESTICIDES/WATER/GCEC PESTICIDES/WATER/GCEC	UH13	ENDRN Endrn	57M-96-11X MX5711X1 57M-96-11X MD5711X1	DV44*535 TDBG 02-0CT-96 31-0CT-96 DV44*305 TDBG 02-0CT-96 31-0CT-96	7-% < 1-% <	.0238 UGL .0238 UGL	00
ABB-ES ABB-ES	PESTICIDES/WATER/GCEC PESTICIDES/WATER/GCEC	UH13 UH13	ENDRNA ENDRNA	57M-96-11X MX5711X1 57M-96-11X MD5711X1	DV4N*535 TDBG 02-0CT-96 31-0CT-96 DV4N*305 TDBG 02-0CT-96 31-0CT-96	.T-% < :T-% <	.0285 UGL .0285 UGL	o o
ABB-ES ABB-ES	PESTICIDES/WATER/GCEC PESTICIDES/WATER/GCEC	UH13 UH13	ENDRNK ENDRNK	57M-96-11X HX5711X1 57M-96-11X MD5711X1	DV4N*335 TDBG 02-0CT-96 31-0CT-96 DV4N*305 TDBG 02-0CT-96 31-0CT-96	7-% < 7-% <	.0285 UGL .0285 UGL	00
ABB-ES ABB-ES	PESTICIDES/WATER/GCEC PESTICIDES/WATER/GCEC	UH13 UH13	ESFSO4 ESFSO4	57M-96-11X MX5711X1 57M-96-11X MD5711X1	DV4H*535 TDBG 02-OCT-96 31-OCT-96 DV4H*305 TDBG 02-OCT-96 31-OCT-96	.T-% < .T-% <	.0786 UGL .0786 UGL	0.0
ABB-ES ABB-ES	PESTICIDES/WATER/GCEC PESTICIDES/WATER/GCEC	UH13 UH13	GCLDAN	57M-96-11X MX5711X1 57M-96-11X MD5711X1	DV4N*535 TDBG 02-0CT-96 31-0CT-96 UV4N*305 TDBG 02-0CT-96	1-% < 1-% <	.075 UGL .075 UGL	00
ABB-ES ABB-ES	PESTICIDES/WATER/GCEC PESTICIDES/WATER/GCEC	UH13 UH13	HPCL HPCL	57M-96-11X MX5711X1 57M-96-11X MD5711X1	DV4N*535 TDBG 02-0CT-96 31-0CT-96 DV4N*305 TDBG 02-0CT-96 31-0CT-96	7-% < 7-% <	.0423 UGL .0423 UGL	0.0
ABB-ES ABB-ES	PESTICIDES/WATER/GCEC PESTICIDES/WATER/GCEC	UH13 UH13	HPCLE HPCLE	57M-96-11X MX5711X1 57M-96-11X MD5711X1	DV4N*335 TDBG 02-0CT-96 31-0CT-96 DV4N*305 TDBG 02-0CT-96 31-0CT-96	7-% < 7-% <	.0245 UGL .0245 UGL	o o
ABB-ES ABB-ES	PESTICIDES/WATER/GCEC PESTICIDES/WATER/GCEC	UH13 UH13	ISODR ISODR	57M-96-11X MX5711X1 57M-96-11X MD5711X1	DV4H*535 TDBG 02-0CT-96 31-0CT-96 DV4H*305 TDBG 02-0CT-96 31-0CT-96	1-% < 1-% <	.0562 UGL .0562 UGL	00

Apperdix D-3 Table: D-18 FIELD DUPLICATE RESULTS FT. DEVENS DV4 1996

RPD	0.0	óó	óó	o o	o o	0.0	46.2 46.2	o o	26.7 26.7	00	o o	0.
Value Unit	.0507 UGL .0507 UGL	.057 UGL .057 UGL	.0233 UGL .0233 UGL	.027 UGL .027 UGL	.034 UGL .034 UGL	1.35 UGL 1.35 UGL	8 UGL 5 UGL	1.8 UGL 1.8 UGL	3.4 UGL 2.6 UGL	1.7 UGL 1.7 UGL	1.7 UGL 1.7 UGL	5.2 UGL
Lab Sample Analysis Number Lot Date Cate	0V4N*535 TDBG 02-0CT-96 31-0CT-96 < 0V4N*305 TDBG 02-0CT-96 31-0CT-96 <	0V4N*535 TDBG 02-0CT-96 31-0CT-96 < 0V4N*305 TDBG 02-0CT-96 31-0CT-96 <	0V4W*535 TDBG 02-0CT-96 31-0CT-96 < 0V4W*305 TDBG 02-0CT-96 31-0CT-96 <	0V4W*535 TDBG 02-0CT-96 31-0CT-96 < 0V4W*305 TDBG 02-0CT-96 31-0CT-96 <	DV4N*535 TDBG 02-0CT-96 31-0CT-96 < DV4N*305 TDBG 02-0CT-96 31-0CT-96 <	DV4H*335 TDBG 02-001-96 31-001-96 < DV4H*305 TDBG 02-001-96 31-001-96 <	DV4W*305 NDIM 02-0CT-96 08-0CT-96 DV4W*535 NDIM 02-0CT-96 08-0CT-96	DV4W*535 NDIM 02-0CT-96 08-0CT-96 < DV4W*305 NDIM 02-0CT-96 08-0CT-96 <	DV44*305 LDIM 02-0CT-96 08-0CT-96 DV44*535 LDIM 02-0CT-96 08-0CT-96	DV44*535 LDIM 02-0CT-96 08-0CT-96 < DV44*305 LDIM 02-0CT-96 08-0CT-96 <	DV44*535 LDIM 02-0CT-96 08-0CT-96 < DV44*305 LDIM 02-0CT-96 08-0CT-96 <	DV44*535 NDIM 02-0CT-96 08-0CT-96 <
IRDMIS Field IRDMIS Sample Site ID Number	57M-96-11X MX5711X1 57M-96-11X MD5711X1	57M-96-11X MX5711X1 57M-96-11X MD5711X1	57M-96-11X MX5711X1 57M-96-11X MD5711X1	57M-96-11X MX5711X1 57M-96-11X MD5711X1	57M-96-11X MX5711X1 57M-96-11X MD5711X1	57M-96-11X MX5711X1 57M-96-11X MD5711X1	57M-96-11X MD5711X1 57M-96-11X MX5711X1	57M-96-11X MX5711X1 57M-96-11X MD5711X1	57M-96-11X MD5711X1 57M-96-11X MX5711X1	57M-96-11X MX5711X1 57M-96-11X MD5711X1	57M-96-11X MX5711X1 57M-96-11X MD5711X1	57M-96-11X MX5711X1
Test Name	LIN	MEXCLR	PP000 PP000	PPDDE PPDDE	PP00T PP00T	TXPHEN TXPHEN	123TMB 123TMB	124TCB 124TCB	120CLB 120CLB	130CLB 130CLB	140CLB 140CLB	245TCP
IRDMIS Method Code	M13 UH13	UH13 UH13	UH13 UH13	UH13 UH13	UH13 UH13	UH13 UH13	UM18 UM18	UM18 UM18	UM18 UM18	UM18 UM18	UM18 UM18	UM18
Contractor Method Description	PESTICIDES/WATER/GCEC PESTICIDES/WATER/GCEC	PESTICIDES/WATER/GCEC PESTICIDES/WATER/GCEC	PESTICIDES/WATER/GCEC PESTICIDES/WATER/GCEC	PESTICIDES/WATER/GCEC PESTICIDES/WATER/GCEC	PESTICIDES/WATER/GCEC PESTICIDES/WATER/GCEC	PESTICIDES/WATER/GCEC PESTICIDES/WATER/GCEC	ORGANICS/WATER/GCMS ORGANICS/WATER/GCMS	ORGANICS/WATER/GCMS ORGANICS/WATER/GCMS	ORGANICS/WATER/GCMS ORGANICS/WATER/GCMS	ORGANICS/WATER/GCMS ORGANICS/WATER/GCMS	ORGANICS/WATER/GCMS ORGANICS/WATER/GCMS	ORGANICS/WATER/GCMS
Contracto	ABB-ES ABB-ES ABB-ES ABB-ES	ABB-ES ABB-ES	ABB-ES ABB-ES	ABB-ES ABB-ES	ABB-ES							

Appendix D-3 Table: D-18 FIELD DUPLICATE RESULTS FT. DEVENS DV4 1996

RPO	0.	0.0	o.o.	9.0	o.o.	o o	o.o.	66		0.0	o.o.	o.o.
Value Unit	5.2 UGL	4.2 UGL 4.2 UGL	2.9 UGL 2.9 UGL	5.8 UGL 5.8 UGL	21 VGL 21 VGL	4.5 UGL 4.5 UGL	.79 UGL .79 UGL	.99 ug.	.5 ug. .5 ug.	1.7 UGL 1.7 UGL	3.9 UGL 3.9 UGL	4.3 UGL 4.3 UGL
Lab Sample Amalysis Number Lot Date <	DV44#305 LDIM 02-0CT-96 08-0CT-96 <	DV44*535 NDIM 02-0CT-96 08-0CT-96 < DV44*305 NDIM 02-0CT-96 08-0CT-96 <	DV44*535 4DIM 02-0CT-96 08-0CT-96 < DV44*305 4DIM 02-0CT-96 08-0CT-96 <	DV44*535 HDIM 02-0CT-96 08-0CT-96 < DV44*305 HDIM 02-0CT-96 08-0CT-96 <	DV44*535 4DIM 02-0CT-96 08-0CT-96 < DV44*305 4DIM 02-0CT-96 08-0CT-96 <	DV44*535 4DIM 02-0CT-96 08-0CT-96 < DV44*305 4DIM 02-0CT-96 08-0CT-96 <	DV44*535 4DIM 02-0CT-96 08-0CT-96 < DV44*305 4DIM 02-0CT-96 08-0CT-96 <	DV44*535 NDIM 02-0CT-96 08-0CT-96 < DV44*305 NDIM 02-0CT-96 08-0CT-96 <	DV44*535 4DIM 02-0CT-96 08-0CT-96 < DV44*305 4DIM 02-0CT-96 08-0CT-96 <	DV44*535 4DIM 02-0CT-96 08-0CT-96 < DV44*305 4DIM 02-0CT-96 08-0CT-96 <	DV44*535 4DIM 02-0CT-96 08-0CT-96 < DV44*305 4DIM 02-0CT-96 08-0CT-96 <	DV44*535 4DIM 02-0CT-96 08-0CT-96 < DV44*305 4DIM 02-0CT-96 08-0CT-96 <
IRDMIS Field IRDMIS Sample Site ID Number	57M-96-11X MD5711X1	57M-96-11X MX5711X1 57M-96-11X MD5711X1	57M-96-11X MX5711X1 57M-96-11X MD5711X1	57M-96-11X MX5711X1 57M-96-11X MD5711X1	57M-96-11X MX5711X1 57M-96-11X MD5711X1	57M-96-11X MX5711X1 57M-96-11X MD5711X1	57M-96-11X MX5711X1 57M-96-11X MD5711X1	57M-96-11X MX5711X1 57M-96-11X MD5711X1	57M-96-11X MX5711X1 57M-96-11X MD5711X1	57M-96-11X MX5711X1 57M-96-11X MD5711X1	57M-96-11X MX5711X1 57M-96-11X MD5711X1	57M-96-11X MX5711X1 57M-96-11X MD5711X1
Test Name	245TCP	246TCP 246TCP	24DCLP 24DCLP	24DMPN 24DMPN	24DNP 24DNP	24DNT 24DNT	26DNT 26DNT	2CLP 2CLP	2CNAP 2CNAP	ZMNAP ZMNAP	2MP 2MP	2NAN1L 2NAN1L
IRDMIS Method Code	UM18	UM18 UM18	UM18 81MJ	UM18 UM18	UM18 UM18	UM18 UM18						
Contractor Method Description	ORGANICS/WATER/GCMS	ORGANICS/WATER/GCMS ORGANICS/WATER/GCMS										
Contractor	ABB-ES	ABB-ES ABB-ES										

Appendix D-3 Table: D-18 FIELD DUPLICATE RESULTS FI. DEVENS DV4 1996

Field Sample Number MX5711X1
MX5711X1 DV44P535 MD5711X1 DV44P305 MX5711X1 DV44P535 MD5711X1 DV44P305
57M-96-11X MX5711X1 DV44*535 57M-96-11X MD5711X1 DV44*305
57M-96-11X MX5711X1 DV4W*535 57M-96-11X MD5711X1 DV4W*305
57M-96-11X MX5711X1 DV4L*535 57M-96-11X MD5711X1 DV4L*305
57M-96-11X MX5711X1 DV4W*535 57M-96-11X MD5711X1 DV4W*305
57M-96-11X MX5711X1 DV4W*535 57M-96-11X MD5711X1 DV4W*305
57M-96-11X MX5711X1 DV4W*535 57M-96-11X MD5711X1 DV4H*305

Appendix D-3 Table: D-18 FIELD DUPLICATE RESULTS FT. DEVENS DV4 1996

RPO	0.0	•.•.	9.9	o.o.	9.9	33.0	0.0.		o.o.	°.	0.0	0.
Value Unit	.5 UG. .5 UG.	.5 ua. .5 ua.	1.5 UGL 1.5 UGL	5.3 UGL 5.3 UGL	1.9 UGL 1.9 UGL	6.7 UGL 4.8 UGL	1.6 UGL 1.6 UGL	4.7 UGL	5.4 UGL 5.4 UGL	3.4 UGL 3.4 UGL	13 UGL 13 UGL	6.1 UGL
Lab Sample Analysis Number Lot Date <	DV44#535 HDIM 02-0CT-96 08-0CT-96 < DV44#305 HDIM 02-0CT-96 08-0CT-96 <	DV44*535 HDIM 02-0CT-96 08-0CT-96 < DV44*305 HDIM 02-0CT-96 08-0CT-96 <	DV44*535 4DIM 02-0CT-96 08-0CT-96 < DV44*305 4DIM 02-0CT-96 08-0CT-96 <	DV44*535 NDIM 02-0CT-96 08-0CT-96 < DV44*305 NDIM 02-0CT-96 08-0CT-96 <	DV4#*535 HDIM 02-OCT-96 08-OCT-96 < DV4#*305 HDIM 02-OCT-96 08-OCT-96 <	DV44*305 HDIM 02-0CT-96 08-0CT-96 DV44*535 HDIM 02-0CT-96 08-0CT-96 <	DV44*535 4DIM 02-OCT-96 08-OCT-96 < DV44*305 4DIM 02-OCT-96 08-OCT-96 <	DV44*535 NDIM 02-0CT-96 08-0CT-96 < DV44*305 NDIM 02-0CT-96 08-0CT-96 <	DV44*535 HDIM 02-0CT-96 08-0CT-96 < DV44*305 HDIM 02-0CT-96 08-0CT-96 <	DV44*535 NDIM 02-0CT-96 08-0CT-96 < DV44*305 NDIM 02-0CT-96 08-0CT-96 <	DV4W*335 NDIM 02-0CT-96 08-0CT-96 < DV4W*305 NDIM 02-0CT-96 08-0CT-96 <	DV44*535 NDIM 02-0CT-96 08-0CT-96 <
IRDMIS Field IRDMIS Sample Site ID Number	57M-96-11X MX5711X1 57M-96-11X MD5711X1	57M-96-11X MX5711X1 57M-96-11X MD5711X1	57M-96-11X MX5711X1 57M-96-11X MD5711X1	57M-96-11X MX5711X1 57M-96-11X MD5711X1	57M-96-11X MX5711X1 57M-96-11X MD5711X1	57M-96-11X MD5711X1 57M-96-11X MX5711X1	57M-96-11X MX5711X1 57M-96-11X MD5711X1	57M-96-11X MX5711X1 57M-96-11X MD5711X1	57M-96-11X MX5711X1 57M-96-11X MD5711X1	57M-96-11X MX5711X1 57M-96-11X MD5711X1	57M-96-11X MX5711X1 57M-96-11X MD5711X1	57M-96-11X MX5711X1
Test Name	ANAPYL	ANTRC	B2CEXM B2CEXM	B2CIPE B2CIPE	BZCLEE BZCLEE	B2EHP B2EHP	BAANTR BAANTR	BAPYR BAPYR	BBFANT	88ZP 88ZP	BENZOA BENZOA	BGHIPY
IRDMIS Method Code	UM18 UM18	UM18 UM18	UM18 UM18	UM18 UM18	UM18 UM18	UM18 UM18	UM18 UM18	UM18 UM18	UM18 81MU	UM18 UM18	UM18 UM18	UM18
Contractor Method Description	ORGANICS/WATER/GCMS ORGANICS/WATER/GCMS	ORGANICS/WATER/GCMS ORGANICS/WATER/GCMS	ORGANICS/WATER/GCMS ORGANICS/WATER/GCMS	ORGANICS/WATER/GCMS ORGANICS/WATER/GCMS	ORGANICS/WATER/GCMS ORGANICS/WATER/GCMS	ORGANICS/WATER/GCMS ORGANICS/WATER/GCMS	ORGANICS/WATER/GCMS ORGANICS/WATER/GCMS	ORGANICS/WATER/GCMS ORGANICS/WATER/GCMS	ORGANICS/WATER/GCMS ORGANICS/WATER/GCMS	ORGANICS/WATER/GCMS ORGANICS/WATER/GCMS	ORGANICS/WATER/GCMS ORGANICS/WATER/GCMS	ORGANICS/WATER/GCMS
Contractor	ABB-ES ABB-ES	ABB-ES ABB-ES	ABB-ES ABB-ES	ABB-ES ABB-ES	ABB-ES ABB-ES	ABB-ES ABB-ES	ABB-ES ABB-ES	ABB-ES ABB-ES	ABB-ES ABB-ES	ABB-ES ABB-ES	ABB-ES ABB-ES	ABB-ES

Appendix D-3 Table: D-18 FIELD DUPLICATE RESULTS FT. DEVENS DV4 1996

RPD	٥.	0.0	00	o o	0.0	0.0	0.0	óó		.o.	oʻoʻ	
Value Unit	6.1 UGL	.87 UGL .87 UGL	.72 UGL .72 UGL	2 UGL 2 UGL	2.4 UGL 2.4 UGL	1.6 UG. 1.6 UGL	8.6 UGL 8.6 UGL	1.5 UGL 1.5 UGL	6.5 UGL 6.5 UGL	1.7 UGL 1.7 UGL	2 ug. 2 ug.	1.5 UGL 1.5 UGL
Lab Sample Analysis Number Lot Date oate	DV44*305 WDIM 02-0CT-96 08-0CT-96 <	DV44*535 NDIM 02-0C1-96 08-0C1-96 < DV44*305 NDIM 02-0C1-96 08-0C1-96 <	DV44#535 NDIM 02-0C1-96 08-0C1-96 < DV44#305 NDIM 02-0C1-96 08-0C1-96 <	DV44*535 HDIM 02-0CT-96 08-0CT-96 < DV44*305 HDIM 02-0CT-96 08-0CT-96 <	DV44*535 NDIM 02-OCT-96 08-OCT-96 < DV44*305 NDIM 02-OCT-96 08-OCT-96 <	DV44#535 HDIM 02-0CT-96 08-0CT-96 < DV44#305 HDIM 02-0CT-96 08-0CT-96 <	DV44*535 HDIM 02-OCT-96 08-OCT-96 < DV44*305 HDIM 02-OCT-96 08-OCT-96 <	DV4H*535 HDIM 02-OCT-96 08-OCT-96 < DV4H*305 HDIM 02-OCT-96 08-OCT-96 <	DV44*535 HDIM 02-OCT-96 08-OCT-96 < DV44*305 HDIM 02-OCT-96 08-OCT-96 <	DV44#535 HDIM 02-0CT-96 08-0CT-96 < DV44#305 HDIM 02-0CT-96 08-0CT-96 <	DV44#535 HDIM 02-OCT-96 08-OCT-96 < DV44#305 HDIM 02-OCT-96 08-OCT-96 <	DV4H*335 NDIM 02-OCT-96 08-OCT-96 <
IRDMIS Field IRDMIS Sample Site ID Number	57M-96-11X MD5711X1	57M-96-11X MX5711X1 57M-96-11X MD5711X1	57M-96-11X MX5711X1 57M-96-11X M05711X1	57M-96-11X MX5711X1 57M-96-11X MD5711X1	574-96-11X MX5711X1 574-96-11X MD5711X1	57M-96-11X MX5711X1 57M-96-11X MD5711X1	57M-96-11X MX5711X1 57M-96-11X MD5711X1	57M-96-11X MX5711X1 57M-96-11X MD5711X1	57M-96-11X MX5711X1 57M-96-11X MD5711X1	57M-96-11X MX5711X1 57M-96-11X MD5711X1	57M-96-11X MX5711X1 57M-96-11X MD5711X1	57M-96-11X MX5711X1 57M-96-11X MD5711X1
Test Name	ВСНІРУ	BKFANT BKFANT	BZALC BZALC	CARBAZ CARBAZ	CHRY	28970 CL682	CL6CP CL6CP	CLÁET CLÁET	DBAHA DBAHA	OBZFUR DBZFUR	DEP DEP	DMP DMP
IRDMIS Method Code	UM18	UM18 UM18	UM18 81MU	UM18 UM18	UM18 UM18	UM18 UM18	UM18 UM18	UM18 UM18	UM18 UM18	UM18 UM18	UM18 UM18	UM18 UM18
Contractor Method Description	ORGANICS/WATER/GCMS	ORGANICS/WATER/GCMS ORGANICS/WATER/GCMS	ORGANICS/WATER/GCMS ORGANICS/WATER/GCMS	ORGANICS/WATER/GCMS ORGANICS/WATER/GCMS	ORGANICS/WATER/GCMS ORGANICS/WATER/GCMS	ORGANICS/WATER/GCMS ORGANICS/WATER/GCMS	ORGANICS/WATER/GCMS ORGANICS/WATER/GCMS	ORGANICS/WATER/GCMS ORGANICS/WATER/GCMS	ORGANICS/WATER/GCMS ORGANICS/WATER/GCMS	ORGANICS/WATER/GCMS ORGANICS/WATER/GCMS	ORGANICS/WATER/GCMS ORGANICS/WATER/GCMS	ORGANICS/WATER/GCMS ORGANICS/WATER/GCMS
Contractor	ABB-ES	ABB-ES ABB-ES	ABB-ES ABB-ES	ABB-ES ABB-ES	ABB-ES ABB-ES	ABB-ES ABB-ES	ABB-ES ABB-ES	ABB-ES ABB-ES	ABB-ES ABB-ES	ABB-ES ABB-ES	ABB-ES ABB-ES	ABB-ES ABB-ES

Appendix D-3 Table: D-18 FIELD DUPLICATE RESULTS FT. DEVENS DV4 1996

RPD	0.0	o o	10.5 10.5	o o	öö	9.0	66	0,0	27.6 27.6	o.o.		0.0
_	3.7 UGL	15 UGL	10 UGL	3.3 UGL	3.7 UGL	3.4 UGL	8.6 UGL	750 8.4	3.3 UGL	.5 UGL	7.4 UGL	3 UGL
	3.7 UGL	15 UGL	9 UGL	3.3 UGL	3.7 UGL	3.4 UGL	8.6 UGL	7.8 UGL	2.5 UGL	.5 UGL	4.4 UGL	3 UGL
	DV44*535 4DIM 02-0CT-96 08-0CT-96 < DV44*305 4DIM 02-0CT-96 08-0CT-96 <	DV44*535 4DIM 02-0CT-96 08-0CT-96 < DV44*305 4DIM 02-0CT-96 08-0CT-96 <	DV44*305 NDIM 02-0CT-96 08-0CT-96 DV44*535 NDIM 02-0CT-96 08-0CT-96	DV44*535 NDIM 02-0CT-96 08-0CT-96 < DV44*505 NDIM 02-0CT-96 08-0CT-96 <	DV4N*535 NDIM 02-0CT-96 08-0CT-96 < DV4N*305 NDIM 02-0CT-96 08-0CT-96 <	DV44*535 NDIM 02-0CT-96 08-0CT-96 < DV44*305 NDIM 02-0CT-96 08-0CT-96 <	DV44*535 NDIM 02-0CT-96 08-0CT-96 < DV44*305 NDIM 02-0CT-96 08-0CT-96 <	DV4L*535 NDIM 02-0CT-96 08-0CT-96 < DV4L*305 NDIM 02-0CT-96 08-0CT-96 <	DV4H*305 NDIM 02-0CT-96 08-0CT-96 DV4H*535 NDIM 02-0CT-96 08-0CT-96	DV4N*535 NDIM 02-0C1-96 08-0C1-96 < DV4N*305 NDIM 02-0C1-96 08-0C1-96 <	DV4H*535 NDIM 02-0CT-96 08-0CT-96 < DV4H*305 NDIM 02-0CT-96 08-0CT-96 <	DV4W*535 4DIM 02-0CT-96 08-0CT-96 < DV4W*305 4DIM 02-0CT-96 08-0CT-96 <
s a	57M-96-11X MX5711X1	57M-96-11X MX5711X1	57M-96-11X MD5711X1	57M-96-11X MX5711X1	57M-96-11X MD5711X1	57M-96-11X MX5711X1	57M-96-11X MX5711X1	57M-96-11X MX5711X1				
	57M-96-11X MD5711X1	57M-96-11X MD5711X1	57M-96-11X MX5711X1	57M-96-11X MD5711X1	57M-96-11X MX5711X1	57M-96-11X MD5711X1	57M-96-11X MD5711X1	57M-96-11X MD5711X1				
Test Name	DNBP	DNOP	ET4MBZ ET4MBZ	FANT	FLRENE	HCBO HCBO	ICDPYR ICDPYR	I SOPHR I SOPHR	NAP NAP	NB NB	NNDNPA NNDNPA	NNDPA NNDPA
IRDMIS Method Code	UM18 UM18	UM18 UM18	UM18 UM18	UM18 UM18	UM18 UM18	UM18 UM18	UM18 UM18	UM18 UM18	UM18 UM18	UM18 UM18	UM18 UM18	UM18 UM18
Contractor Method Description	ORGANICS/WATER/GCMS	ORGANICS/WATER/GCMS	ORGANICS/WATER/GCMS	ORGANICS/WATER/GCMS	ORGANICS/WATER/GCMS	ORGANICS/WATER/GCMS	ORGANICS/WATER/GCMS	ORGANICS/WATER/GCMS	ORGANICS/WATER/GCMS	ORGANICS/WATER/GCMS	ORGANICS/WATER/GCMS	ORGANICS/WATER/GCMS
	ORGANICS/WATER/GCMS	ORGANICS/WATER/GCMS	ORGANICS/WATER/GCMS	ORGANICS/WATER/GCMS	ORGANICS/WATER/GCMS	ORGANICS/WATER/GCMS	ORGANICS/WATER/GCMS	ORGANICS/WATER/GCMS	ORGANICS/WATER/GCMS	ORGANICS/WATER/GCMS	ORGANICS/WATER/GCMS	ORGANICS/WATER/GCMS
Contractor	ABB-ES	ABB-ES	ABB-ES	ABB-ES	ABB-ES	ABB-ES	ABB-ES	ABB-ES	ABB-ES	ABB-ES	ABB-ES	ABB-ES
	ABB-ES	ABB-ES	ABB-ES	ABB-ES	ABB-ES	ABB-ES	ABB-ES	ABB-ES	ABB-ES	ABB-ES	ABB-ES	ABB-ES

Apperdix D-3 Table: D-18 FIELD DUPLICATE RESULTS FT. DEVENS DV4 1996

RPD				0.0	66	0.0	o o	0.0	18.4 18.4	o o	0.0
2 									おお		
Value Unit	18 UGL 18 UGL	.5 UG.	9.2 UGL 9.2 UGL	2.8 UG. 2.8 UG.	.s. 190 190 190	1.2 UGL 1.2 UGL	.5 UGL .5 UGL	.68 UG. .68 UG.	.89 UGL .74 UGL	.5 19 19 19	.5 UG. .5 UG.
Va											
Analysis Date <	08-0CT-96 < 08-0CT-96 <	08-0CT-96 < 08-0CT-96 <	08-0CT-96 < 08-0CT-96 <	08-0CT-96 < 08-0CT-96 <	02-0CT-96 09-0CT-96 < 02-0CT-96 09-0CT-96 <	02-0CT-96 09-0CT-96 < 02-0CT-96 09-0CT-96 <	02-0CT-96 09-0CT-96 < 02-0CT-96 09-0CT-96 <	09-0CT-96 < 09-0CT-96 <	09-0CT-96 09-0CT-96	09-0CT-96 < 09-0CT-96 <	02-0CT-96 09-0CT-96 < 02-0CT-96 09-0CT-96 <
Analy	-80 96 -80 98	-80 96 -80 98	-80 96 -80 96		% % % 60 %	96 99 96 99-	-60 % -60 %	-60 96 -60 96	-60 % -60 %		% % %
Sample Date	02-0CT-96 02-0CT-96	02-0CT-96 02-0CT-96	02-0CT-96 (02-0CT-96 (02-0CT-96 02-0CT-96	02-0CT-96 02-0CT-96	02-0CT-96 02-0CT-96	02-0CT- 02-0CT-	02-0CT-96 (02-0CT-96 (02-0CT-96 09-0CT-96 02-0CT-96 09-0CT-96	02-0CT-96 02-0CT-96	02-0CT- 02-0CT-
Lot	6 6 E E	33 X X	3 3 2 3	3 3 X X	S S S S S S S S S S S S S S S S S S S	XDLS XDLS	S TOX	XOLS XOLS	SDCS SDCS	XDLS XDLS	XDLS XDLS
Lab Number	DV4W*535 DV4W*305	DV44*535 DV44*305	DV4W*535 DV4W*305	DV4W*535 DV4W*305	DV4W*305 DV4W*535	DV4W*305 DV4W*535	DV4W*305 DV4W*535	DV44#305 DV44#535	DV44*305 DV44*535	DV4W*535 DV4W*305	DV4W*535 DV4W*305
IRDMIS Field Sample Number	57M-96-11X MX5711X1 57M-96-11X MD5711X1	57M-96-11X MX5711X1 57M-96-11X MD5711X1	MX5711X1 MD5711X1	MX5711X1 MD5711X1	MD5711X1 MX5711X1	MD5711X1 MX5711X1	57M-96-11X MD5711X1 57M-96-11X MX5711X1	MD5711X1 MX5711X1	57M-96-11X MD5711X1 57M-96-11X MX5711X1	57M-96-11X MX5711X1 57M-96-11X MD5711X1	57M-96-11X MX5711X1 57M-96-11X MD5711X1
:	57M-96-11X N	57M-96-11X 57M-96-11X	574-96-11X P 574-96-11X P	57M-96-11X N 57M-96-11X N	574-96-11X N 574-96-11X N	574-96-11X N 574-96-11X N	57M-96-11X N 57M-96-11X N	57M-96-11X N 57M-96-11X	57M-96-11X N	6-11X N	57M-96-11X N 57M-96-11X N
IRDMIS Site ID	5-M72	5-M72	5-452 2-452	5-M-5 -M-5	5-M-5	2-452 2-452	57M-5	5-M72	5-M75	57X-5	578-5 578-5
Test Name	PCP PCP	PHANTR PHANTR	PHENOL PHENOL	PYR PYR	111TCE 111TCE	112TCE 112TCE	110CE 110CE	110CLE 110CLE	120CE 120CE	12DCLE 12DCLE	12DCLP 12DCLP
IRDMIS Method Code	UM18 UM18	UM18	UM18 UM18	UM18 UM18	UM20 UM20	UM20 UM20	UM20 UM20	UM20	UM20 UM20	UM20 UM20	UM20 UM20
Contractor Method Description	ORGANICS/WATER/GCMS ORGANICS/WATER/GCMS	ORGANICS/WATER/GCMS ORGANICS/WATER/GCMS	ORGANICS/WATER/GCMS ORGANICS/WATER/GCMS	ORGANICS/WATER/GCMS ORGANICS/WATER/GCMS	VOLATILES/WATER/GCMS VOLATILES/WATER/GCMS	VOLATILES/WATER/GCMS VOLATILES/WATER/GCMS	VOLATILES/WATER/GCMS VOLATILES/WATER/GCMS	VOLATILES/WATER/GCMS VOLATILES/WATER/GCMS	VOLATILES/WATER/GCMS VOLATILES/WATER/GCMS	VOLATILES/WATER/GCMS VOLATILES/WATER/GCMS	VOLATILES/WATER/GCMS VOLATILES/WATER/GCMS
Contractor	ABB-ES ABB-ES	ABB-ES ABB-ES	ABB-ES ABB-ES	ABB-ES ABB-ES	ABB-ES ABB-ES	ABB-ES ABB-ES	ABB-ES ABB-ES	ABB-ES ABB-ES	ABB-ES ABB-ES	ABB-ES ABB-ES	ABB-ES ABB-ES

Appendix D-3 Table: D-18 FIELD DUPLICATE RESULTS FT. DEVENS DV4 1996

8	00	00	0.0	00	90	00	66	00	0,0	00	00	
	.71 UGL .71 UGL	13 UGL 13 UGL	.59 UGL .59 UGL	.58 UGL .58 UGL	8.3 UGL 8.3 UGL	2.6 UGL 2.6 UGL	1.9 UGL 1.9 UGL	.5 UGL .5 UGL	1.4 UGL 1.4 UGL	.58 UGL .58 UGL	2.3 UGL 2.3 UGL	5.8 UGL 5.8 UGL
_	0V44*305 XDLS 02-0CT-96 09-0CT-96 < 0V44*535 XDLS 02-0CT-96 09-0CT-96 <	DV4H*535 XDLS 02-OCT-96 09-OCT-96 < DV4H*305 XDLS 02-OCT-96 09-OCT-96 <	DV4H*535 XDLS 02-0CT-96 09-0CT-96 < DV4H*305 XDLS 02-0CT-96 09-0CT-96 <	0V4H*535 XDLS 02-0CT-96 09-0CT-96 < 0V4H*305 XDLS 02-0CT-96 09-0CT-96 <	0V4W*335 XDLS 02-OCT-96 09-OCT-96 < 0V4W*305 XDLS 02-OCT-96 09-OCT-96 <	0V4H*535 XDLS 02-OCT-96 09-OCT-96 < 0V4H*305 XDLS 02-OCT-96 09-OCT-96 <	0V44*535 XDLS 02-0CT-96 09-0CT-96 < 0V44*305 XDLS 02-0CT-96 09-0CT-96 <	DV4H*535 XDLS 02-0CT-96 09-0CT-96 < DV4H*305 XDLS 02-0CT-96 09-0CT-96 <	0V44*535 XOLS 02-0CT-96 09-0CT-96 < 0V44*305 XOLS 02-0CT-96 09-0CT-96 <	0V4W*305 XDLS 02-OCT-96 09-OCT-96 <	0V4H*335 XOLS 02-OCT-96 09-OCT-96 < 0V4H*305 XOLS 02-OCT-96 09-OCT-96 <	0V4H*335 XDLS 02-0CT-96 09-0CT-96 < 0V4H*305 XDLS 02-0CT-96 09-0CT-96 <
	57M-96-11X MD5711X1 57M-96-11X MX5711X1	57M-96-11X MX5711X1 57M-96-11X MD5711X1	57M-96-11X MX5711X1 57M-96-11X MD5711X1	57M-96-11X MX5711X1 C 57M-96-11X MD5711X1 C	574-96-11X MX5711X1 574-96-11X MD5711X1	57M-96-11X MX5711X1 57M-96-11X MD5711X1	57M-96-11X MX5711X1 E 57M-96-11X MD5711X1 E	57M-96-11X MX5711X1 57M-96-11X MD5711X1	574-96-11X MX5711X1 574-96-11X MD5711X1	57M-96-11X MX5711X1 57M-96-11X MD5711X1	574-96-11X MX5711X1 E	574-96-11X MX5711X1 574-96-11X MD5711X1
Test Name	2CLEVE 2CLEVE	ACET ACET	BRDCLM	C130CP C130CP	C2AVE C2AVE	C2H3CL C2H3CL	CZHSCL	64H6 64H6	CCL3F	ככול ככול	CH2CL2 CH2CL2	CH3BR CH3BR
IRDMIS Method Code	UM20 UM20	UM20 UM20	UM20 UM20	UM20	UM20	UM20 UM20	UMZO	UM20 UM20	UM20 UM20	UM20 UM20	UM20 UM20	UM20 UM20
Contractor Method Description	VOLATILES/WATER/GCMS VOLATILES/WATER/GCMS	VOLATILES/WATER/GCMS VOLATILES/WATER/GCMS	VOLATILES/WATER/GCMS VOLATILES/WATER/GCMS	VOLATILES/WATER/GCMS VOLATILES/WATER/GCMS	VOLATILES/WATER/GCMS VOLATILES/WATER/GCMS	VOLATILES/WATER/GCMS VOLATILES/WATER/GCMS	VOLATILES/WATER/GCMS VOLATILES/WATER/GCMS	VOLATILES/WATER/GCMS VOLATILES/WATER/GCMS	VOLATILES/WATER/GCMS VOLATILES/WATER/GCMS	VOLATILES/WATER/GCMS VOLATILES/WATER/GCMS	VOLATILES/WATER/GCMS VOLATILES/WATER/GCMS	VOLATILES/WATER/GCMS VOLATILES/WATER/GCMS
Contractor	ABB-ES ABB-ES	ABB-ES ABB-ES	ABB-ES ABB-ES	ABB-ES ABB-ES	ABB-ES ABB-ES	ABB-ES ABB-ES	ABB-ES ABB-ES	ABB-ES ABB-ES	ABB-ES ABB-ES	ABB-ES ABB-ES	ABB-ES ABB-ES	ABB-ES ABB-ES

Appendix D-3 Table: D-18 FIELD DUPLICATE RESULTS FT. DEVENS DV4 1996

Contractor	Contractor Method Description	IRDMIS Method Code	Test Name	IRDMIS Site ID	IRDMIS Field Sample Number	Lab Number	Sa Lot Da	Sample / Date [Analysis Date	v :	Value Unit	RPD	
ABB-ES ABB-ES	VOLATILES/WATER/GCMS VOLATILES/WATER/GCMS	UM20 UM20	CH3CL CH3CL	57M-96-11X 57M-96-11X	MX5711X1 MD5711X1	DV4W*535 DV4W*305	ဟဟ	-0CT-96	02-0CT-96 09-0CT-96 02-0CT-96 09-0CT-96	v v	3.2 UGL 3.2 UGL	oʻoʻ	
ABB-ES ABB-ES	VOLATILES/WATER/GCMS VOLATILES/WATER/GCMS	UM20 UM20	CHBR3 CHBR3	57M-96-11X 57M-96-11X	MX5711X1 MD5711X1	DV4W*535 DV4W*305	XOLS 02 XOLS 02	02-0CT-96 (02-0CT-96 09-0CT-96 02-0CT-96	v v	2.6 UGL 2.6 UGL	0.0	
ABB-ES ABB-ES	VOLATILES/WATER/GCMS VOLATILES/WATER/GCMS	UM20 UM20	CHCL3 CHCL3	57M-96-11X 57M-96-11X	MX5711X1 MD5711X1	DV4W*535 DV4W*305	XOLS 02 XOLS 02	-0c1-96	02-0CT-96 09-0CT-96 02-0CT-96	v v	.5 UG.	00	
ABB-ES ABB-ES	VOLATILES/WATER/GCMS VOLATILES/WATER/GCMS	UM20 UM20	CLC6H5 CLC6H5	57M-96-11X 57M-96-11X	MX5711X1 MD5711X1	DV4W*535 DV4W*305	XOLS 02 XOLS 02	02-0CT-96 (02-0CT-96 (09-0CT-96 09-0CT-96	v v	.5 UGL	00	
ABB-ES ABB-ES	VOLATILES/WATER/GCMS VOLATILES/WATER/GCMS	UM20 UM20	CS2 CS2	57M-96-11X 57M-96-11X	MX5711X1 MD5711X1	DV4W*535 DV4W*305	XDLS XDLS	-0CT-96	02-0CT-96 09-0CT-96 02-0CT-96	v v	.5 VG.	0.0	
ABB-ES ABB-ES	VOLATILES/WATER/GCMS VOLATILES/WATER/GCMS	UM20 UM20	DBRCLM	57M-96-11X 57M-96-11X	MX5711X1 MD5711X1	DV44*535 DV44*305	XDLS 02 XDLS 02	02-0CT-96 0 02-0CT-96 0	09-0CT-96 09-0CT-96	v v	.67 UGL	0.0	
ABB-ES ABB-ES	VOLATILES/WATER/GCMS VOLATILES/WATER/GCMS	UM20 UM20	ETC6H5 ETC6H5	57M-96-11X 57M-96-11X	MD5711X1	DV44*305	XDLS 02 XDLS 03	-0CT-96	02-0CT-96 09-0CT-96 02-0CT-96		4.6 UGL 4.2 UGL	9.1	
ABB-ES ABB-ES	VOLATILES/WATER/GCMS VOLATILES/WATER/GCMS	UM20 UM20	MEC6H5 MEC6H5	57M-96-11X 57M-96-11X	MX5711X1	DV4W*535 DV4W*305	XOLS OS	%-100-i	02-0CT-96 09-0CT-96 02-0CT-96		.86 UGL .67 UGL	24.8 24.8	
ABB-ES ABB-ES	VOLATILES/WATER/GCMS VOLATILES/WATER/GCMS	UM20 UM20	ÄEK	57M-96-11X 57M-96-11X	MX5711X1	DV4W*535 DV4W*305	DLS	-0CT-96	02-0CT-96 09-0CT-96 02-0CT-96 09-0CT-96	v v	6.4 UGL 6.4 UGL	o.o.	
ABB-ES ABB-ES	VOLATILES/WATER/GCMS VOLATILES/WATER/GCMS	UM20 UM20	MIBK MIBK	57M-96-11X 57M-96-11X	MX5711X1 MD5711X1	DV4W*535 DV4W*305	XDLS XDLS	%-130-3	02-0CT-96 09-0CT-96 02-0CT-96	v v	3 UGL 3 UGL		
ABB-ES ABB-ES	VOLATILES/WATER/GCMS VOLATILES/WATER/GCMS	UM20 UM20	MNBK	57M-96-11X 57M-96-11X	. MX5711X1 . MD5711X1	DV44*535 DV44*305		2-0CT-96	XDLS 02-0CT-96 09-0CT-96 XDLS 02-0CT-96 09-0CT-96	v v	3.6 UGL 3.6 UGL	o.o.	
ABB-ES	VOLATILES/WATER/GCMS	UMZ0	STYR	57M-96-11X MX5711X1	: MX5711X1	DV44*535	XDLS 02	96-120-3	XDLS 02-OCT-96 09-OCT-96	v	.5 UGL	0.	

Appendix D-3 Table: D-18 FIELD DUPLICATE RESULTS FT. DEVENS DV4 1996

RPD	Q.	0.0	0,0	2.1	00	o o	0,0	00	00	4.5 5.5
Value Unit	.5 ugl	.7 UGL .7 UGL	.51 UGL .51 UGL	4.8 UGL 4.7 UGL	1.1 UGL 1.1 UGL	6 UGL 6 UGL	7 UGL 7 UGL	10 UGL 10 UGL	10 UGL 10 UGL	6.8 UGL 6.5 UGL
Lab Sample Amalysis Number Lot Date Date <	DV4W*305 XDLS 02-0CT-96 09-0CT-96 <	DV444535 XDLS 02-0CT-96 09-0CT-96 < DV444305 XDLS 02-0CT-96 09-0CT-96 <	DV4H*335 XDLS 02-0CT-96 09-0CT-96 <	DV44*305 XDLS 02-0CT-96 09-0CT-96 DV44*535 XDLS 02-0CT-96 09-0CT-96	DV444535 XDLS 02-0CT-96 09-0CT-96 DV444305 XDLS 02-0CT-96 09-0CT-96	DV4H*335 XDLS 02-0CT-96 09-0CT-96 DV4H*305 XDLS 02-0CT-96 09-0CT-96	DV444535 XDLS 02-0CT-96 09-0CT-96 DV444305 XDLS 02-0CT-96 09-0CT-96	DV44*535 XDLS 02-0CT-96 09-0CT-96 DV44*305 XDLS 02-0CT-96 09-0CT-96	DV4H*335 XDLS 02-0CT-96 09-0CT-96 DV4H*305 XDLS 02-0CT-96 09-0CT-96	DV4N*335 XDLS 02-OCT-96 09-OCT-96 DV4N*305 XDLS 02-OCT-96 09-OCT-96
IRDMIS Field IRDMIS Sample Site ID Number	57M-96-11X MD5711X1	57M-96-11X MX5711X1 57M-96-11X MD5711X1	57M-96-11X MX5711X1 57M-96-11X MD5711X1	57M-96-11X MD5711X1 57M-96-11X MX5711X1	57M-96-11X MX5711X1 57M-96-11X MD5711X1	57M-96-11X NX5711X1 57M-96-11X ND5711X1				
Test	STYR	1130CP 1130CP	TCLEA	TCLEE TCLEE	TRCLE	UNK192 UNK192	UNK198 UNK198	UNK202 UNK202	UNK211 UNK211	XYLEN
IRDMIS Method Code	UMZO	UM20 UM20	UM20 UM20	UM20 UM20	UM20 UM20	UM20 UM20	UM20 UM20	UM20 UM20	UM20	UM20 UM20
Contractor Method Description	VOLATILES/WATER/GCMS	VOLATILES/WATER/GCMS VOLATILES/WATER/GCMS	VOLATILES/WATER/GCMS VOLATILES/WATER/GCMS	VOLATILES/WATER/GCMS VOLATILES/WATER/GCMS	VOLATILES/WATER/GCMS VOLATILES/WATER/GCMS	VOLATILES/WATER/GCMS VOLATILES/WATER/GCMS	VOLATILES/WATER/GCMS VOLATILES/WATER/GCMS	VOLATILES/WATER/GCMS VOLATILES/WATER/GCMS	VOLATILES/WATER/GCMS VOLATILES/WATER/GCMS	VOLATILES/WATER/GCMS VOLATILES/WATER/GCMS
Contractor	ABB-ES .	ABB-ES ABB-ES	ABB-ES ABB-ES	ABB-ES ABB-ES	ABB-ES ABB-ES	ABB-ES ABB-ES	ABB-ES ABB-ES	ABB-ES ABB-ES	ABB-ES ABB-ES	ABB-ES ABB-ES

1998 OFF-SITE LABORATORY DATA (SUPPLEMENTAL RI)

1.0 INTRODUCTION

This Quality Control Summary Report (QCSR) provided a summary of quality control sample measurement associated with field sampling and analysis activities conducted during the 1998 Supplemental Field Investigation. Samples were analyzed at on-site and off-site laboratories. Data quality objectives and analytical methods for the 1998 investigation are the same as those described in Appendix D-2 and Appendix D-3 for the 1996 investigation. During the 1998 program, on-site analyses included only Total Recoverable Petroleum Hydrocarbon (TPHC) analysis. Off-site analyses included a subset of inorganics (As, Ba, Cu, Mn, Pb, Sb, Se, and Zn), volatile, semivolatiles, pesticides, PCBs, TPHC, and Total Suspended Solids.

2.0 OFF-SITE DATA QUALITY CONTROL REVIEW

Quality control sample data associated with the off-site analytical program include method blanks, field QC blanks (rinse blanks and trip blanks), field duplicates, matrix spike/matrix spike duplicates (MS/MSD). Surrogate recovery data for volatile, semivolatiles, pesticides, and PCB analyses were also reviewed. Data quality interpretations were based on Quality Control limits specified by USEPA (USEPA, 1994; USEPA,1996; USEPA, 1989). With the exception of the items listed below, all analytical results generated during the field investigation met project QC goals and are usable without qualification. No results were rejected based on the QC review. A subset of results are considered estimated values.

2.1 METHOD BLANKS

Method blanks results are summarized in Table D-1 and Table D-2. With the exception of the semivolatile compound bis(2-ethylhexyl)phthalate at 29 ug/L, and the metal manganese at 11 μ g/L, target analytes were not reported in aqueous method blanks. These results indicate the laboratory was free of laboratory introduced contamination for the majority of aqueous target analytes. Similar concentrations of bis(2-ethylhexyl)phthalate and manganese in aqueous samples may represent laboratory contamination.

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A small subset of target analytes were detected in soil method blanks including TPHC at $36.5 \mu g/g$, barium ($8.31 \mu g/g$), manganese ($21.2 \mu g/g$), alpha-chlordane ($.0058 - .0082 \mu g/g$), gamma-chlordane ($.0092 - .013 \mu g/g$), diacetone alcohol as a semivolatile tentatively identified compound. With the exception of the above analytes, the laboratory soil analyses were free of laboratory introduced contamination. Similar concentrations of the analytes listed above in soil samples may represent laboratory introduced contamination.

2.2 RINSE BLANKS

Rinse blank results are summarized in Table D-3. With the exception of low concentrations of arsenic (2.93 μ g/L) and manganese (6.28 μ g/L), no other target analytes were detected in rinse blanks. These results indicate that field sampling processes did not contribute to sample contamination for the majority of target analytes. The low concentration of arsenic and manganese in the rinse blanks is not interpreted to have an impact on sample data usability.

2.3 TRIP BLANKS

Trip blank results are summarized in Table D-4. No target compounds were detected in any of the three trip blanks associated with this data set. These results indicate that no cross contamination of samples occurred during shipment and storage.

2.4 SURROGATE RECOVERIES

Surrogate data were reviewed for all volatile (Table D-5), semivolatile (Table D-6), and pesticide and PCB (Table D-7) analyses. Surrogate recoveries were compared to limits specified in the USEPA Contract Laboratory Program (CLP).

Volatiles

Surrogate recoveries for all aqueous samples were within CLP limits indicating usable results were obtained for all water samples. Surrogate recoveries were within limits for all soils with the exception of DX570600 (57D-98-06X) and DX570800 (57D-98-08X) which had high recoveries of one of three surrogates. No volatile target analytes were

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reported in sample DX570800. Results for benzene, chlorobenzene, and toluene in samples DX570600 are potentially biased high.

Semivolatiles

Surrogate recoveries for all soil/sediment samples were within CLP limits indicating usable results were obtained. With the exception of water samples WX570300 (57W-98-03X) and WX570400 (57W-98-04X), all surrogate recoveries for water samples met USEPA guidelines. Low recoveries (28% - 30%) were reported in two base/neutral surrogates for samples WX570300 (57W-98-03X) and WX570400 (57W-98-04X) indicating a low bias for base/neutral compounds in these samples. All non-detect and detected results for these samples are considered estimated and potentially biased low.

Pesticides

With the exception of water sample MX570200 (57W-98-02X), sediment sample DX570500 (57D-98-05X), and soil samples SX570302 (57S-98-03X) and SX570701 (57S-98-07X), all samples had surrogate recoveries within CLP limits. Low recoveries were observed in the samples listed above, and all results for pesticides in water sample MX570200 (57W-98-02X), sediment sample DX570500 (57D-98-05X), and soil samples SX570302 (57S-98-03X) and SX570701 (57S-98-07X) are considered estimated and potentially biased low.

PCBs

Surrogate recoveries for all soil/sediment samples were within CLP limits indicating usable results were obtained. With the exception of water sample WX570400 (57W-98-04X) with low recoveries (19% - 29%), all water sample recoveries were within CLP limits. All results for water sample WX570400 (57W-98-04X) are considered estimated and potentially biased low.

2.5 MATRIX SPIKE RESULTS

Matrix spike data were reviewed for TOC, TPHC, and inorganics (Table D-8). Recoveries for all spike analytes were within USEPA Region I limits of 75%-125% for inorganic parameters with the exception of TOC, arsenic, and antimony in soils. TOC recoveries were 130% and 206%. Arsenic recoveries ranged from 27% to 148%. The

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spike concentration of TOC and arsenic in the matrix spikes was relatively low compared to the concentrations reported in the original samples. No data use qualifications were applied to the TOC or arsenic data based on these results. Antimony recoveries in two sets of MS/MSD samples ranged from 33% - 56%. Based on these results all antimony soil results are for method JS16 are considered to be estimated and potentially biased low.

2.6 FIELD DUPLICATE RESULTS

One water duplicate MX5711XX and one soil duplicate SX570700 were collected during the 1998 program. Duplicate results are presented in Table D-9 and Table D-10. Relative percent difference (RPD) of results was compared to USEPA Region I goals of 30% for waters and 50% for soils.

Inorganics

All soil results were within USEPA limits. Results for barium and copper in water sample MX5711XX exceeded limits. Results for copper included detection at 8.54 μ g/L and a non-detect at <5 μ g/L. No data qualification was done because the detected concentration only slightly exceeded the reporting limit. Results for barium in all water samples should be considered estimated values.

Pesticides/PCBs

Results for all aqueous samples were reported as non-detects with agreement between duplicates for absence of contamination. Target analytes DDT and aroclor 1260 were reported in the soil duplicate with RPDs within USEPA limits indicating good precision.

Semivolatiles

No target compounds were reported in the soil duplicate pair. The compounds 1,2-dichlorobenzene, 1,4-dichlorobenzene, and naphthalene were detected in the aqueous samples. RPDs for all results exceeded the USEPA limits; however, concentrations were low (<7 μ g/L) relative to reporting limits and no qualification of data was done based on these duplicate results.

Volatiles

With the exception of acetone in the soil duplicate, no VOCs were reported in soil samples demonstrating agreement for the absence of contamination. Acetone was reported at a concentration slightly greater than the reporting limit, and it was not interpreted to be a site related compound.

A number of target compounds were reported in the water duplicate pair. Detections include 1,2,4-trimethylbenzene, ethylbenzene, xylenes, trichloroethene, and tetrachloroethene. All RPDs were within USEPA limits indicating excellent precision for the sample pair.

Total Suspended Solids

One aqueous duplicated pair was collected. An RPD of 191 was observed in the data set indicating a large difference in results. These data indicate that all TSS data should be considered estimated.

TPHC

One soil duplicated pair was collected. An RPD of 108 was observed in the data set indicating a large difference in results. These data indicate that all off-site soil TPHC data should be considered estimated.

2.7 TENTATIVELY IDENTIFIED COMPOUNDS (TICS)

A subset of samples had non-target compounds reported as tentatively identified compounds (TICs) in the VOA and SVOA data. TICs are summarized on Table D-11.

The majority of SVOA non-target compounds were reported as unknowns. TICs included alkanes (C16 -C29), β -sitosterol, and alpha-pinene. Sediment and soil samples contained numerous unknowns ranging in total concentration per sample from <5 μ g/g to 171 μ g/g. The β -sitosterol, and alpha-pinene are interpreted to represent natural organics. The alkanes and unknowns may represent fuel related contamination.

No TICs were reported in VOA soils. A number of fuel related hydrocarbons were reported in aqueous samples including light alkanes, alkyl-substituted benzenes, and cyclohexanes which are indicators of possible gasoline contamination.

3.0 ONSITE DATA QUALITY CONTROL REVIEW

The 1998 field program included the on-site analysis of soil samples for Total Petroleum Hydrocarbons using a Modified USEPA Method 418.1 methodology. The data use objectives for the program was to provided data on the presence or absence of hydrocarbon contamination use in direction of the sampling program. Field data were used to locate explorations and select samples for off-site analysis. Data quality was assessed by evaluation of comparability of on-site results to split samples analyzed at the off-site laboratory.

3.1 DATA COMPARISON AND EVALUATION

Comparability of the data was evaluated to determine if results were usable for defining the presence/absence and relative concentrations of TPH using the on-site data. Relative percent difference (RPD) calculations were used to determine the comparability of the on-site/off-site results. Results of the on-site/off-site analyses are summarized on Tables I-4 and I-5.

Soil Matrix

Fourteen soil split samples were submitted for off-site TPH-IR analysis. Split sample data for TPH is presented for soil matrices on Table I –4

Sediment Matrix

Eight sediment samples were submitted for off-site TPH-IR analysis. Split sample data for TPH is presented for sediment matrices on Table I -5.

3.1.1 Split-Sample Comparison Conclusions

There was a high degree of correlation between the on-site and off-site laboratories relative to soil and sediment data. Comparison of the on-site/off-site soil results indicate

that 100 percent of the calculated soil sample results agree within the 100 percent RPD requirement set forth by the USEPA for field duplicates (USEPA, 1996). The remaining two soil samples were a duplicate pair (570700) that was reported below the reporting limit of the on-site lab but had positive detections in the off-site lab. Evaluation of the on-site results indicate that the sample matrix had a high water content, 25 percent and 27 percent total solids. This was a probable interference in the modified extraction procedure utilized by the on-site laboratory. The percent difference of the off-site duplicate result was 70 percent. This demonstrates a notable variance for the off-site results, and implies a high degree of variation within the homogeneity of the sample matrix for this sample.

For sediment samples, 75 percent of calculated RPDs were within the USEPA field duplicate limits. Two samples that exceeded RPDs of 100 had higher concentrations reported at the on-site laboratory. These results indicate a possible high bias at the on-site laboratory.

Based on the split sample results, field TPH results are usable for the determination of presence/absence and relative concentrations of TPH in the soil and sediment media.

Sample ID	570101	570200	570302	570401	570503	570601	570700
On-site result	1000	1400	14000	680	3200	2500	<800
Off-site result	393	1200	14800	1150	1750	4620	6170
RPD	87	15	6	51	59	60	*
Sample ID	570700D	570701	570800	570900	571301	571401	571503
On-site result	<740	32000	<800	1500	1600	1200	<270
Off-site result	1830	17000	494	1930	951	895	<27.9
RPD	*	61	0	25	51	29	0

TABLE D-4 Soil Comparison

^{*} Refer to "Split Sample Comparison Conclusions".

TABLE D-5 Sediment Comparison

Sample ID	570100	570200	570300	570400	570500	570600	570700	570800
On-site result	2500	<31000	<1800	<1500	5500	<380	5500	<390
Off-site result	103	452	185	246	3540	160	200	109
RPD	184	0	0	0	43	0	186	0

References:

- U.S. Environmental Protection Agency (USEPA), 1989. "Region 1 Laboratory Data Validation Functional Guidelines For Evaluating Inorganic Analyses"; Hazardous Site Evaluation Division; February 1989.
- U.S. Environmental Protection Agency (USEPA), 1994. "USEPA Contract Laboratory Program Statement of Work for Organic Analysis; OLM03.1; Office of Solid Waste and Emergency Response; EPA-540/R-94/073; August 1994.
- U.S. Environmental Protection Agency (USEPA), 1996. "Region 1 EPA-NE Data Validation Guidelines For Evaluating Environmental Analyses"; Quality Assurance Unit Staff; Office of Environmental Measurement and Evaluation; December 1996

METHOD BLANKS (Soil) FT. DEVENS AGC 57

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	Value	360 360	27.9 27.9 36.5	អូស៊	8.31 .965 .21.2 21.2 10.5 7.14 2.42 8.03	.00907 .00907 .00907 .00582 .00602 .00602 .00729 .00729 .00729 .00729 .00729 .00729 .00729 .00729 .00729 .00729 .00729 .00729
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	sis	86-N	86-N 86-N 86-N	86-N	86-N07-50 96-N07-50	22- JUN-98 30-MAY-98
~	Analysis Date	12-JUN-98 12-JUN-98	12-JUN-98 11-JUN-98 16-JUN-98	30-JUN-98 30-JUN-98	86-N07-50 03-30N-98 03-30N-98 03-30N-98 03-30N-98 03-30N-98 03-30N-98	29- JUN-98 30-MAY-98
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LEMEN	Test Name		공 당 당 당 당	AS	SE SB SB SB SB SB SB SB SB SB SB SB SB SB	ABHC ABHC ACLDAN ACLDAN ACLDAN ACLDAN ACLDAN ACLDAN ALDRN ALDRN ALDRN ALDRN BBHC BBHC BBHC BBHC BBHC BBHC BBHC BBH
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1998	IRDMIS Method Code	0906	9071	J301	JS16	ГН10
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	Contractor Method Description	*6*	ABB-ES ABB-ES ABB-ES	ABB-ES ABB-ES	ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES	ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES
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METHOD BLANKS (Soil) FT. DEVENS AOC 57

FT. DEVENS ACC 57 1998 SUPPLEMENTAL FIELD INVESTIGATION

IRDMIS

Contractor	Method Description	Method Code	Test Name	Lot	Prep Date	Analysis Date	v	Value Flag	Unit
ABB-ES	PESTICIDES/SOIL/GCEC	LH10	DBHC	UFMG	24-MAY-98	30-MAY-98		.00555	990
ABB-ES	PESTICIDES/SOIL/GCEC		DBHC	UFNG	28-MAY-98	28-JUN-98	v	.00555	nee
ABB-ES	PESTICIDES/SOIL/GCEC		DLDRN	UFLG	22-MAY-98	29-JUN-98	v	.00629	nee
ABB-ES	PESTICIDES/SOIL/GCEC		DLDRN	UFING	24-MAY-98	30-MAY-98	v	.00629	ngg
ABB-ES	PESTICIDES/SOIL/GCEC		DLDRN	UFNG	28-MAY-98	28-JUN-98	v	.00629	ngg
ABB-ES	PESTICIDES/SOIL/GCEC		ENDRN	UFLG	22-MAY-98	29-JUN-98	v	.00657	ngg
ABB-ES	PESTICIDES/SOIL/GCEC		ENDRN	UFMG	24-MAY-98	30-MAY-98	~	.00657	UGG
ABB-ES	PESTICIDES/SOIL/GCEC		ENDRN	UFNG	28-MAY-98	28-JUN-98	v	.00657	nee
ABB-ES	PESTICIDES/SOIL/GCEC		ENDRNA		22-MAY-98	29-JUN-98	v	.024 W	nee
ABB-ES	PESTICIDES/SOIL/GCEC		ENDRNA		24-MAY-98	30-MAY-98	v	•024	. 550
ABB-ES	PESTICIDES/SOIL/GCEC		ENDRNA	UFNG	28-MAY-98	28-JUN-98	~		99n
ABB-ES	PESTICIDES/SOIL/GCEC		ENDRNK	UFLG	22-MAY-98	29-JUN-98	v	.024 WT	กดิด
ABB-ES	PESTICIDES/SOIL/GCEC		ENDRNK	UFMG	24-MAY-98	30-MAY-98	v	.024 T	gg C
ABB-ES	PESTICIDES/SOIL/GCEC		ENDRNK	UFNG	28-MAY-98	28-JUN-98	v	.024 T	ngg
ABB-ES	PESTICIDES/SOIL/GCEC		ESFS04	UFLG		29-JUN-98	v	.00763 W	NGG
ABB-ES	PESTICIDES/SOIL/GCEC		ESFS04	UFMG		30-MAY-98	v	.00763	ngg
ABB-ES	PESTICIDES/SOIL/GCEC		ESFS04	UFNG		28-JUN-98	v	.00763	ออก
ABB-ES	PESTICIDES/SOIL/GCEC		GCLDAN	UFLG	22-MAY-98	29-JUN-98		.00917 WZ	99A
ABB-ES	PESTICIDES/SOIL/GCEC		GCLDAN	CFMG	24-MAY-98	30-MAY-98		.0126 z	กดิด
ABB-ES	PESTICIDES/SOIL/GCEC		GCLDAN	UFNG	28-MAY-98	28-JUN-98		.0116 Z	กลล
ABB-ES	PESTICIDES/SOIL/GCEC		HPCL	UFLG	22-MAY-98	29-JUN-98	~	.00618	ออก
ABB-ES	PESTICIDES/SOIL/GCEC		HPCL The	UF.MG	24-MAY-98	30-MAY-98	v	.00618	ออก
ABB-ES	PESTICIDES/SOIL/GCEC		HPCL	UFNG	28-MAY-98	28-JUN-98	v	.00618	UGG
ABB-ES	PESTICIDES/SOIL/GCEC		HPCLE	UFLG	22-MAY-98	29-JUN-98	v	.0062 W	nee
ABB-ES	PESTICIDES/SOIL/GCEC		HPCLE	UFMG	24-MAY-98	30-MAY-98	v	.0062	nee
ABB-ES	PESTICIDES/SOIL/GCEC		HPCLE	CFNG	28-MAY-98	28-JUN-98	v	2900	กลด
ABB-ES	PESTICIDES/SOIL/GCEC		ISODR	UFLG	22-MAY-98	29-JUN-98	v	.00461	ยูยก
ABB-ES	PESTICIDES/SOIL/GCEC		ISODR		24-MAY-98	30-MAY-98	v	.00461	ออก
ABB-ES	PESTICIDES/SOIL/GCEC		ISODR	UFNG	28-MAY-98	28-JUN-98	v	.00461	ngg
ABB-ES	PESTICIDES/SOIL/GCEC		LIN	UFLG	22-MAY-98	29-JUN-98	v	.00638	ngg
ABB-ES	PESTICIDES/SOIL/GCEC		LIN	UFMG	24-MAY-98	30-MAY-98	v	.00638	ออก
ABB-ES	PESTICIDES/SOIL/GCEC		LIN		28-MAY-98	28-JUN-98	v	.00638	ยูยา
ABB-ES	PESTICIDES/SOIL/GCEC		MEXCLR		22-MAY-98	29-JUN-98	v	.0711 W	990
ABB-ES	PESTICIDES/SOIL/GCEC		MEXCLR	UFMG	24-MAY-98	30-MAY-98	v	.0711	95 C
ABB-ES	PESTICIDES/SOIL/GCEC		MEXCLR	UFNG	28-MAY-98	28-JUN-98	v ·	.0711	550
ABB-ES	PESTICIDES/SOIL/GCEC		PPDDD	215	22-MAY-98	86-NOC-67	v	. 00826 W	กรา

METHOD BLANKS (Soil) FT. DEVENS AOC 57

Unit		990 990 990 990 990 990 990 990 990 990	990 Ngg
Value Flag	.00826 .00826 .00826 .00765 W .00765 .00707 .00707 .00707 .444 W	9866 9866 9880 9880 9880 9880 9880 9880	.04 w
Analysis Date <	98 30-MAY-98	98 04-10N-98 < 98 03-10N-98 < 98 03-10N-98 < 98 04-10N-98 < 98 04-	98 28-MAY-98 < 98 16-JUN-98 <
Prep Lot Date	UFMG 24-MAY-98 UFLG 22-MAY-98 UFNG 24-MAY-98 UFNG 22-MAY-98 UFNG 22-MAY-98 UFNG 22-MAY-98 UFNG 24-MAY-98 UFNG 24-MAY-98	NGII 22-MAY-98 NGJI 24-MAY-98 NGJI 22-MAY-98 NGJI 22-MAY-98	OEXL 22-MAY-98 7
Test	PPDDD PPDDD PPDDE PPDDE PPDDT PPDDT PPDDT TXPHEN TXPHEN	PCB016 PCB016 PCB016 PCB221 PCB221 PCB232 PCB232 PCB242 PCB242 PCB248 PCB248 PCB248 PCB248 PCB248 PCB254 PCB254 PCB254 PCB254 PCB254 PCB254	124TCB 124TCB
IRDMIS Method Code	TH10	LH16	LM18
Contractor Method Description	PESTICIDES/SOIL/GCEC PESTICIDES/SOIL/GCEC PESTICIDES/SOIL/GCEC PESTICIDES/SOIL/GCEC PESTICIDES/SOIL/GCEC PESTICIDES/SOIL/GCEC PESTICIDES/SOIL/GCEC PESTICIDES/SOIL/GCEC PESTICIDES/SOIL/GCEC PESTICIDES/SOIL/GCEC PESTICIDES/SOIL/GCEC PESTICIDES/SOIL/GCEC PESTICIDES/SOIL/GCEC PESTICIDES/SOIL/GCEC	PESTICIDES/SOIL/GCEC PESTICIDE	ORGANICS/SOIL/GCMS ORGANICS/SOIL/GCMS
Contractor	ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES	ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES	ABB-ES ABB-ES

METHOD BLANKS (Soil) FT. DEVENS ACC 57

FI. DEVENS AUC 57 1998 SUPPLEMENTAL FIELD INVESTIGATION

Unit	995 200 200 200 200 200 200 200 200 200 20	ยูยก	99	nge	995	990 080	990		<u></u>	550	3 5	3 5	200	2 5	39	D. D.	99N	100	9	<u>5</u>	9		550	9	550	<u></u>		99	99	9	กรเ
Value Flag		1 4 H	¥	# 860°	.098	* - • •	,17 W	.17	. 18 	200	* 60°	6,	¥ (7.2	* 7L	.085 W	-085	™ 90°		.036 W	.036	.040 M	. 049	.029 W	.029	.062 W	062	M 51.	4 .	6.3 W	6.5
Prep Analysis Date Date <	888		22-MAY-98 28-MAY-98 <	22-MAY-98 28-MAY-98 <	28-MAY-98 16-JUN-98 <	28-MAY-98 16-JUN-98 <	22-MAY-98 28-MAY-98 <		22-MAY-98 28-MAY-98 <	28-MAY-98 16-JUN-98 <	22-MAY-98 28-MAY-98 <	8-MAY-98 10-JUN-98 <	22-MAY-96 26-MAY-96 <	5-MAT-90 10-JUN-90 <	22-MAY-98 20-MAI-98 <		B-MAY-98 16-JUN-98 <		28-MAY-98 16-JUN-98 <	22-MAY-98 28-MAY-98 <	8-MAY-98 16-JUN-98 <			• •		22-MAY-98 28-MAY-98 <			•	• • •	28-MAY-98 16-JUN-98 <
Lot Di	OEXL 22			SEXT SE			OEXL 2	•				OEYL 28			-	SK 2		• •			OEYL 28		_		• •				•	•	0EYL 28
Test Name	120CLB 120CLB	120 120 130 130 130 130 130 130 130 130 130 13	130CLB	140CLB	14DCLB	2451CP 245TCP	246TCP	246TCP	24DCLP	24DCLP	Z4DMPN	Z4DMPN	24UNP	740N7	Z4DN I	26DNT	26DNT	2CLP	2CLP	SCNAP	2CNAP	ZMNAP	ZWNAP	ZW ZW ZW ZW ZW ZW ZW ZW ZW ZW ZW ZW ZW Z	ZWD	2NANIL	ZNANI L	SNP	ZNP	33DCBD	330CBD
IRDMIS Method Code	LM18																														
		ORGANICS/SOIL/GCMS	ORGANICS/SOIL/GCMS	ORGANICS/SOIL/GCMS	ORGANICS/SOIL/GCMS	ORGANICS/SOIL/GCMS	ORGANICS/SOIL/GCMS	ORGANICS/SOIL/GCMS	ORGANICS/SOIL/GCMS	ORGANICS/SOIL/GCMS	ORGANICS/SOIL/GCMS	ORGANICS/SOIL/GCMS	ORGANICS/SOIL/GCMS	ORGANICS/SOIL/GCMS	ORGANICS/SOIL/GCMS	ORGANICS/SOIL/GCMS	ORGANICS/SOIL/GCMS	ORGANICS/SOIL/GCMS	ORGANICS/SOIL/GCMS	ORGANICS/SOIL/GCMS	ORGANICS/SOIL/GCMS	ORGANICS/SOIL/GCMS	ORGANICS/SOIL/GCMS	ORGANICS/SOIL/GCMS	ORGANICS/SOIL/GCMS	ORGANICS/SOIL/GCMS	ORGANICS/SOIL/GCMS	ORGANICS/SOIL/GCMS	ORGANICS/SOIL/GCMS	ORGANICS/SOIL/GCMS	ORGANICS/SOIL/GCMS
Contractor	ABB-ES ABB-ES	ABB-ES	ABB-ES	ABB-ES	ABB-ES	ABB-ES	ABB-ES	ABB-ES	ABB-ES	ABB-ES	ABB-ES	ABB-ES	ABB-ES	ABB-ES	ABB-ES	ABB-ES	ABB-ES	ABB-ES	ABB-ES	ABB-ES	ABB-ES	ABB-ES	ABB-ES	ABB-ES	ABB-ES	ABB-ES	ABB-ES	ABB-ES	ABB-ES	ABB-ES	ABB-ES

METHOD BLANKS (Soil) FT. DEVENS AOC 57

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Analysis Date	28-MAY-98	16-JUN-98	28-MAY-98	86-Nnr-91	28-MAY-98	16-JUN-98	28-MAY-98	16-JUN-98	28-MAY-98	16-JUN-98	28-MAY-98	16-JUN-98	28-MAY-98	-Nor-9	28-MAY-98	-Nn91	28-MAY-98	16-JUN-98	28-MAY-98	96-NOC-91																
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Prep Date	22-MAY-98	28-MAY-98	22-MAY-98	28-MAY-98	22-MAY-98	28-MAY-98	22-MAY-98	28-MAY-98	22-MAY-	28-MAY-98	22-MAY-98	28-MAY-98																								
Lot	EX I	OEYL .	_			- :								OEYL ;	EXI.	OEYL ;						OEYL ;	<u> </u>	OEYL :	ext.	OEYL.	EX	-		DEYL.			EX O	EYL.	퍾	EYL.
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IRDMIS Method Code	1 M18	ì																																		
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<u>E</u> .	CMS	ORGANICS/SOIL/GCMS	SCMS	Š	DRGANICS/SOIL/GCMS	ORGANICS/SOIL/GCMS	DRGANICS/SOIL/GCMS	CMS	SMOS	SCMS	SCMS	DRGANICS/SOIL/GCMS	SCMS	SKO	SCASS	DRGANICS/SOIL/GCMS	SWS	SES	DRGANICS/SOIL/GCMS	SCASS	ORGANICS/SOIL/GCMS	SKOE	SCMS	SMS	SCAS	DRGANICS/SOIL/GCMS	ORGANICS/SOIL/GCMS	SEAS	SCAS	CMS	SCMS	DRGANICS/SOIL/GCMS	ORGANICS/SOIL/GCMS	ORGANICS/SOIL/GCMS	SSS	ORGANICS/SOIL/GCMS
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Sesc	8		s/so	3/80	3/S0	s/so	3/80	S/S0	S/S	3/80	3/80	s/so	S S	S/SO	s/so	S/S0	3/80	s/so	S/80	2/80	3/80	S S	S/S0	s/so	2/30	3/80	s/so	s/so	s/so	S/S	5/80	S/SG	3/80	3/80	3/80	s/so
8		Ü	NIC	KIC	NIC	NIC	NIC	NIC	ŭ	NIC	NIC	NI C	NIC	NIC.	SIS	Z	ü	SIC	S	SIN	Ü	NIC	SIN	SIS	NIC.	NIC	ü	NIC	NIC	Ü	NIC	SIC	SIN	NIC	NIC.	NIC
Contractor Method Description	OBGANICS/SOTI /GCMS	5	ORGANICS/SOIL/GCMS	ORGANICS/SOIL/GCMS	ORGA	ORC	Se GA	ORGANICS/SOIL/GCMS	ORGANICS/SOIL/GCMS	ORGANICS/SOIL/GCMS	ORGANICS/SOIL/GCMS	RGA	ORGANICS/SOIL/GCMS	ORGANICS/SOIL/GCMS	ORGANICS/SOIL/GCMS	SG	ORGANICS/SOIL/GCMS	ORGANICS/SOIL/GCMS	ORGA	ORGANICS/SOIL/GCMS	ORGA	ORGANICS/SOIL/GCMS	ORGANICS/SOIL/GCMS	ORGANICS/SOIL/GCMS	ORGANICS/SOIL/GCMS	86	OR GA	ORGANICS/SOIL/GCMS	ORGANICS/SOIL/GCMS	ORGANICS/SOIL/GCMS	ORGANICS/SOIL/GCMS	86	ORGA	S, GA	ORGANICS/SOIL/GCMS	ORG-
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ract	NBB-FC	S	ES	ES	ES	S	S	SE	ES	S	ES	ES	S	ES	ES	S	ES	SES	ES	ES	ES	ES	S	S	S	ES	S	ES	ES	ES						
Cont	APP-FO	ABB-ES	ABB-ES	ABB-ES	ABB-	ARR-ES	ARR-ES	BB	ABB-ES	ABB-ES	488-	488-	ABB-ES	ABB-	ABB-	ABB-ES	ABB-ES	ABB-ES	ABB-	ABB-ES	ABB-ES	ABB-ES	ABB-ES	ABB-ES	ABB-	ABB-ES	ABB-	ABB-ES	ABB-ES	AB-	ABB-ES	488-	ABB -	ABB-	ABB-	ABB-
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METHOD BLANKS (Soil) FT. DEVENS AGC 57

FI. DEVENS AUC 37
1998 SUPPLEMENTAL FIELD INVESTIGATION

Unit	
Value Flag	888.0001-1-2012-1-2018-88-2-2-2-2-2-2-2-2-2-2-2-2-2-2-2-2-2-
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Analysis Date	28-MAY-98 16-JUN-98 18-MAY-98 16-JUN-98
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Prep Date	22-MAY-98 28-MAY-98 28-MAY-98 28-MAY-98 22-MAY-98
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S od Test Name	BZCLEE BZCLEE BZCLEE BZEHP BZEHP BAANTR BAANTR BAANTR BAANTR BBANTR BBANT BBANT BBANT BBANT BBANT BBANT BBANT BBANT BBANT BBANT BBANT BBANT BBANT BBANT BCANT CARBAZ CARBA
IRDMIS Method Code	Σ. Θ
I M Contractor Method Description	ORGANICS/SOIL/GCMS ORGANICS/SOIL
Contracto	ABB-ES AB

METHOD BLANKS (Soil) FT. DEVENS AOC 57

Unit		
Value Flag	2227272888242 ក្រុក្ខ 20 ១០១៩៩៩៥ ខេត្ត ១១១៩៩៩៩៩៩៩៩៩៩៩៩៩៩៩៩៩៩៩៩៩៩៩៩៩៩៩៩៩៩៩៩៩	
V :		
Analysis Date		
Prep Date	22-MAY-98 22-MAY-98	
Lot		
Test Name	DBAHA DBAHA DBAHA DBAHA DBAHA DBAHA DBAHA DBAHC BANC ENDRINK ENDRING HCBD HCBD HCBD HCCL HPCL	
IRDMIS Method Code	FW1 18	
Contractor Method Description	ORGANICS/SOIL/GCMS ORGANICS/SOIL	
Contracto	ABB-ES AB	1

METHOD BLANKS (Soil) FT. DEVENS AOC 57

FT. DEVENS AUC 57 1998 SUPPLEMENTAL FIELD INVESTIGATION

Unit	990 000	9 9 9 9	390	59N	ngg	99 0	99 0	990	ngg	9 9	990	550	nee	DgO	99 O	99 D	990	nee	99 N	990	99	990	99 O	99 0	ngg	99O	99 0	99 0	99 O	000 0	99	990	99	ngg
Value Flag	33 R 29 V	.29 033 u	033	.27 RW		.33 RW	.33 R	.037 W	.037	.045 W			.14 R	.2 ¥	۲.	.19 ₩	-19	1.4 RW	1.4 R	1.4 RW			1.4 R	1.4 RW	1.4 R	2 R	2 R		2.3 R		2.6 R	1.3 W	1.3	.033 W
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Analysīs Date		16-JUN-98	-	• •	-		16-JUN-98	28-MAY-98	16-JUN-98	28-MAY-98		•				•••		• •			16-JUN-98		16-JUN-98	28-MAY-98	16-JUN-98	28-MAY-98		28-MAY-98	16-JUN-98	28-MAY-98	16-JUN-98	28-MAY-98	16-JUN-98	28-MAY-98
Prep Date	28-MAY-98 22-MAY-98	28-MAY-98 22-MAY-98	28-MAY-98	22-MAY-98	28-MAY-98	22-MAY-98	28-MAY-98	22-MAY-98	28-MAY-98	22-MAY-98	28-MAY-98	22-MAY-98	28-MAY-98	22-MAY-98	28-MAY-98	22-MAY-98	28-MAY-98	22-MAY-98	28-MAY-98	22-MAY-98	28-MAY-98	22-MAY-98		22-MAY-98		22-MAY-98	28-MAY-98	22-MAY-98	28-MAY-98	22-MAY-98	28-MAY-98	22-MAY-98	28-MAY-98	22-MAY-98
Lot	EXT.	E E E	EYL EYL	EX	EY.	띥	ΈY	EX EX			GY.	띴			OEYL	쯗	OEYL	EX				EXL	OEYL	EXL	OEYL	EXL	OEYL.	OEXL.	JEYL.	EXL	JEYL JEYL	껉	EYL	EXL
Test Name	HPCLE ICDPYR	ICDPYR	ISOPHR	LIN	LIN	MEXCLR	MEXCLR	NAP	NAP	2	8	NNDMEA	NNDMEA	NNDNPA	NNDNPA	NNDPA	NNDPA	PCB016	PCB016	PCB221	PCB221	PCB232	PCB232	PCB242	PCB242	PCB248	PCB248	PCB254	PCB254	· PCB260	PCB260	РСР	PCP	PHANTR
IRDMIS Method Code	LM18																																	
Contractor Method Description		ORGANICS/SOIL/GCMS	ORGANICS/SOIL/GCMS	ORGANICS/SOIL/GCMS	ORGANICS/SOIL/GCMS	ORGANICS/SOIL/GCMS	ORGANICS/SOIL/GCMS	ORGANICS/SOIL/GCMS	ORGANICS/SOIL/GCMS	ORGANICS/SOIL/GCMS	ORGANICS/SOIL/GCMS	ORGANICS/SOIL/GCMS	ORGANICS/SOIL/GCMS	ORGANICS/SOIL/GCMS	ORGANICS/SOIL/GCMS	ORGANICS/SOIL/GCMS	ORGANICS/SOIL/GCMS	ORGANICS/SOIL/GCMS	ORGANICS/SOIL/GCMS	ORGANICS/SOIL/GCMS	ORGANICS/SOIL/GCMS	ORGANICS/SOIL/GCMS	ORGANICS/SOIL/GCMS	ORGANICS/SOIL/GCMS	ORGANICS/SOIL/GCMS	ORGANICS/SOIL/GCMS	ORGANICS/SOIL/GCMS	ORGANICS/SOIL/GCMS	ORGANICS/SOIL/GCMS	ORGANICS/SOIL/GCMS	ORGANICS/SOIL/GCMS	ORGANICS/SOIL/GCMS	ORGANICS/SOIL/GCMS	ORGANICS/SOIL/GCMS
Contractor	ABB-ES ABB-ES	ABB-ES	ABB-ES	ABB-ES	ABB-ES	ABB-ES	ABB-ES	ABB-ES	ABB-ES	ABB-ES	ABB-ES	ABB-ES	ABB-ES	ABB-ES	ABB-ES	ABB-ES	ABB-ES	ABB-ES	ABB-ES	ABB-ES	ABB-ES	ABB-ES	ABB-ES	ABB-ES	ABB-ES	ABB-ES	ABB-ES	ABB-ES	ABB-ES	ABB-ES	ABB-ES	ABB-ES	ABB-ES	ABB-ES

METHOD BLANKS (Soil) FT. DEVENS AOC 57

:	INVESTIGATION
	FIELD
	1998 SUPPLEMENTAL

Unit	990 990 990 990 990 990 990 990 990 990	100 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
Value Flag	.033 .11 W .27 W .27 R .31 RW .31 R .31 R .033 W 2.6 RW	
Prep Analysis Date Date <		11. 28-MAY-98. 28-MAY-98. 12. 28-MAY-98. 28-MAY-98. 13. 28-MAY-98. 28-MAY-98. 14. 28-MAY-98. 28-MAY-98. 15. 28-MAY-98. 28-MAY-98. 15. 28-MAY-98. 28-MAY-98. 16. 28-MAY-98. 28-MAY-98. 17. 28-MAY-98. 28-MAY-98. 18. 28-MAY-98. 28-MAY-98. 19. 28-MAY-98. 28-MAY-98. 10. 28-MAY-98. 28-MAY-98. 11. 28-MAY-98. 28-MAY-98. 12. 28-MAY-98. 28-MAY-98. 13. 28-MAY-98. 28-MAY-98. 14. 28-MAY-98. 28-MAY-98. 15. 28-MAY-98. 28-MAY-98. 16. 28-MAY-98. 28-MAY-98. 17. 28-MAY-98. 28-MAY-98. 18. 28-MAY-98. 28-MAY-98. 19. 28-MAY-98. 28-MAY-98. 10. 28-MAY-98. 28-MAY-98. 10. 28-MAY-98. 28-MAY-98. 11. 28-MAY-98. 28-MAY-98. 12. 28-MAY-98. 28-MAY-98. 13. 28-MAY-98. 28-MAY-98. 14. 28-MAY-98. 28-MAY-98. 15. 28-MAY-98. 28-MAY-98. 16. 28-MAY-98. 28-MAY-98. 17. 28-MAY-98. 28-MAY-98. 18. 28-MAY-98. 28-MAY-98. 19. 28-MAY-98. 28-MAY-98. 29. 28-MAY-98. 28-MAY-98. 20. 28-MAY-98. 28-MAY-98.
Test Vame Lot	PHANTR GEYL PHENOL GEYL PHENOL GEYL PPDDD GEYL PPDDD GEYL PPDDE GEYL PPDDE GEYL PPDDT GEYL PYR GEYL TXPHEN GEYL TXPHEN GEYL TXPHEN GEYL	1117CE YGOL 11DCE YGOL 11DCLE YGOL 12DCLE YGOL 12DCLE YGOL 12DCLE YGOL 2CLEVE YGOL 2CLEVE YGOL ACROLN YGOL CCHSCL YGOL
νQ		######################################
Contractor Method Description	ORGANICS/SOIL/GCMS ORGANICS/SOIL/GCMS ORGANICS/SOIL/GCMS ORGANICS/SOIL/GCMS ORGANICS/SOIL/GCMS ORGANICS/SOIL/GCMS ORGANICS/SOIL/GCMS ORGANICS/SOIL/GCMS ORGANICS/SOIL/GCMS ORGANICS/SOIL/GCMS ORGANICS/SOIL/GCMS ORGANICS/SOIL/GCMS ORGANICS/SOIL/GCMS ORGANICS/SOIL/GCMS ORGANICS/SOIL/GCMS ORGANICS/SOIL/GCMS	VOLATILES/SOIL/GCMS VOLATILES/SOIL/GCMS
Contractor	ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES	ABB-ES ABB-ES

METHOD BLANKS (Soil) FT. DEVENS AOC 57

1: DEVENS AUC 37 1998 SUPPLEMENTAL FIELD INVESTIGATION

thod Description	IRDMIS Method Code	Test Name	Lot	Prep Date	Analysis Date <	Value	Flag	Unit
LATILES/SOIL/GCMS	LM19	CHBR3	YGOL	28-MAY-98	28-MAY-98 <	M 6900"		260
LATILES/S01L/GCMS		CHCL3	YGOL	28-MAY-98	28-MAY-98 <	W 28000°	_	8
LATILES/SOIL/GCMS		CL2BZ	YGOL	28-MAY-98	28-MAY-98 <		~	56
LATILES/SOIL/GCMS		CLC6H5	YGOL	28-MAY-98	28-MAY-98 <	M 98000*	_	55
LATILES/SOIL/GCMS		CS2		28-MAY-98	28-MAY-98 <	M 5500.	_	98
LATILES/SOIL/GCMS		DBRCLM		28-MAY-98	28-MAY-98 <	. 0031 W	_	8
LATILES/SOIL/GCMS		ETC6H5		28-MAY-98	28-MAY-98 <	₩ 20017 W	_	56
LATILES/S01L/GCMS		MEC6H5		28-MAY-98	28-MAY-98 <	W 82000.	_	55
LATILES/SOIL/GCMS		炁		28-MAY-98	28-MAY-98 <	M 20"	_	9
LATILES/SOIL/GCMS		MIBK		28-MAY-98	28-MAY-98 <	W 200	_	250
LATILES/S01L/GCMS		MNBK		28-MAY-98	28-MAY-98 <	.032 W	_	55
LATILES/S01L/GCMS		STYR		28-MAY-98	28-MAY-98 <	.0026 W	_	56
LATILES/SOIL/GCMS		T130CP		28-MAY-98	28-MAY-98 <	.0028 ₩	_	99
LATILES/SOIL/GCMS		TCLEA		28-MAY-98	28-MAY-98 <	.0024 W	_	55
LATILES/SOIL/GCMS		TCLEE		28-MAY-98	28-MAY-98 <	.00081 W	_	55
LATILES/SOIL/GCMS		TRCLE		28-MAY-98	28-MAY-98 <	₩ 8200.		99
LATILES/SOIL/GCMS		XYLEN	YGOL	28-MAY-98	28-MAY-98 <	₩ 2100.	_	99
	Contractor Method Description WEB-ES VOLATILES/SOIL/GCMS		LATALIAN METHOD Code thought	Method Test	Method Test	Method Test	Method Test	Method Test

METHOD BLANKS (Water) FT. DEVENS AOC 57

unit	필필	ਭੂ ਭੂ ਭੂ ਭੂ ਭੂ ਭੂ ਭੂ ਭੂ ਭੂ ਭੂ ਭੂ ਭੂ ਭੂ ਭੂ	ਰੂ ਕੁਰੂ ਤੋਂ ਤੋਂ ਤੋਂ ਤੋਂ ਤੋਂ ਤੋਂ ਤੋਂ ਤੋਂ ਤੋਂ ਤੋਂ ਤੋਂ ਤੋਂ ਤੋਂ ਤੋਂ ਤੋਂ	ਭੂਰਤ ਤੁਰਤ ਤੁਰਤ ਤੁਰਤ ਤੁਰਤ ਤੁਰਤ ਤੁਰਤ ਤੁਰਤ ਤ
Value Flag	4000 4000	~~~~~NN	2.5 7.5 7.5 50 50 50 33.8	55555555555555555555555555555555555555
Analysis Date <	27-MAY-98 02-JUN-98	3 30-JUN-98 < 3 12-AUG-98 < 2 29-OCT-98 < 8 12-NOV-98 < 8 29-OCT-98 < 8 12-NOV-98 < 8 12-NOV-98 < 8 12-NOV-98 <	3 03-JUN-98 < 8 03-JUN-98 < 8 03-JUN-98 < 8 03-JUN-98 < 8 03-JUN-98 < 8 03-JUN-98 < 8 03-JUN-98 < 8 03-JUN-98 <	8 02- JUN-98 < 8 02- JUN-98 < 8 02- JUN-98 < 8 02- JUN-98 < 8 02- JUN-98 < 8 02- JUN-98 < 8 02- JUN-98 < 8 02- JUN-98 < 8 02- JUN-98 < 8 02- JUN-98 < 8 02- JUN-98 < 8 02- JUN-98 < 8 02- JUN-98 < 8 02- JUN-98 < 8 02- JUN-98 < 8 02- JUN-98 < 8 02- JUN-98 < 8 02- JUN-98 < 8 02- JUN-98 < 8 02- JUN-98 < 8 02- JUN-98 < 8 02- JUN-98 < 9 02- JUN-98 < 9 02- JUN-98 < 9 02- JUN-98 < 9 02- JUN-98 < 9 02- JUN-98 < 9 02- JUN-98 < 9 02- JUN-98 < 9 02- JUN-98 < 9 02- JUN-98 < 9 02- JUN-98 < 9 02- JUN-98 < 9 02- JUN-98 < 9 02- JUN-98 < 9 02- JUN-98 < 9 02- JUN-98 < 9 02- JUN-98 < 9 02- JUN-98 < 9 02- JUN-98 < 9 02- JUN-98 < 9 02- JUN-98 < 9 02- JUN-98 < 9 02- JUN-98 < 9 02- JUN-98 < 9 02- JUN-98 < 9 02- JUN-98 < 9 02- JUN-98 < 9 02- JUN-98 < 9 02- JUN-98 < 9 02- JUN-98 < 9 02- JUN-98 < 9 02- JUN-98 < 9 02- JUN-98 < 9 02- JUN-98 < 9 02- JUN-98 < 9 02- JUN-98 < 9 02- JUN-98 < 9 02- JUN-98 < 9 02- JUN-98 < 9 02- JUN-98 < 9 02- JUN-98 < 9 02- JUN-98 < 9 02- JUN-98 < 9 02- JUN-98 < 9 02- JUN-98 < 9 02- JUN-98 < 9 02- JUN-98 < 9 02- JUN-98 < 9 02- JUN-98 < 9 02- JUN-98 < 9 02- JUN-98 < 9 02- JUN-98 < 9 02- JUN-98 < 9 02- JUN-98 < 9 02- JUN-98 < 9 02- JUN-98 < 9 02- JUN-98 < 9 02- JUN-98 < 9 02- JUN-98 < 9 02- JUN-98 < 9 02- JUN-98 < 9 02- JUN-98 < 9 02- JUN-98 < 9 02- JUN-98 < 9 02- JUN-98 < 9 02- JUN-98 < 9 02- JUN-98 < 9 02- JUN-98 < 9 02- JUN-98 < 9 02- JUN-98 < 9 02- JUN-98 < 9 02- JUN-98 < 9 02- JUN-98 < 9 02- JUN-98 < 9 02- JUN-98 < 9 02- JUN-98 < 9 02- JUN-98 < 9 02- JUN-98 < 9 02- JUN-98 < 9 02- JUN-98 < 9 02- JUN-98 < 9 02- JUN-98 < 9 02- JUN-98 < 9 02- JUN-98 < 9 02- JUN-98 < 9 02- JUN-98 < 9 02- JUN-98 < 9 02- JUN-98 < 9 02- JUN-98 < 9 02- JUN-98 < 9 02- JUN-98 < 9 02- JUN-98 < 9 02- JUN-98 < 9 02- JUN-98 < 9 02- JUN-98 < 9 02- JUN-98 < 9 02- JUN-98 < 9 02- JUN-98 < 9 02- JUN-98 < 9 02- JUN-98 < 9 02- JUN-98 < 9 02- JUN-98 < 9 02- JUN-98 < 9 02- JUN-98 < 9 02- JUN-98 < 9 02- JUN-98 < 9 02- JUN-98 < 9 02- JUN-98 < 9 02- JUN-98 < 9 02- JUN-98 < 9 02- JUN-98 < 9 02- JUN-98 < 9 02- JUN-98 < 9 02- JUN-98 < 9 02- JUN-98 < 9 02-
Prep Lot Date	YLME 27-MAY-98 YLNE 02-JUN-98	OKNB 28-JUN-98 OKPB 10-AUG-98 OKRB 28-JUN-98 OKRB 28-JUN-98 OKRB 28-JUN-98 OKRB 28-JUN-98	0GHG 01-JUN-98 0GHG 01-JUN-98 0GHG 01-JUN-98 0GHG 01-JUN-98 0GHG 01-JUN-98 0GHG 01-JUN-98	SDUG 26-MAY-98 SDVG 28-MAY-98 SDWG 01-JUN-98 SDXG 08-JUL-98 SDWG 28-MAY-98 SDWG 01-JUN-98 SDWG 02-MAY-98 SDWG 02-JUL-98
Test Name	TSS TSS	AS SB BB BS SE SE SE SE SE SE SE SE SE SE SE SE SE	C C C C C C C C C C C C C C C C C C C	PCB016 PCB016 PCB016 PCB016 PCB221 PCB221 PCB221 PCB232 PCB232 PCB232 PCB242 PCB242 PCB242 PCB242 PCB242 PCB242 PCB242 PCB242
IRDMIS Method Code	1602	S303	SS18	UHOZ
Contractor Method Description	1	METALS/WATER/ICP-MS METALS/WATER/ICP-MS METALS/WATER/ICP-MS METALS/WATER/ICP-MS METALS/WATER/ICP-MS METALS/WATER/ICP-MS METALS/WATER/ICP-MS METALS/WATER/ICP-MS	METALS/WATER/ICP METALS/WATER/ICP METALS/WATER/ICP METALS/WATER/ICP METALS/WATER/ICP METALS/WATER/ICP METALS/WATER/ICP	PESTICIDES/MATER/GCEC PESTICIDES/MATER/GCEC
Contractor	ABB-ES ABB-ES	ABB-ES **;* **;* **;* **;*	488-ES 488-ES 488-ES 488-ES 488-ES 488-ES 488-ES	478 - ES 478 -

TABLE D-2 METHOD BLANKS (Water) FT. DEVENS AOC 57

r. L	9999999999	<u>ਫ਼</u>
Value Flag	2000 1000 1000 1000 1000 1000 1000 1000	.0385 .0385 V .075 T .075 T .075 WT .073 W .024 V .023 W .024 V .025 W .025 W .025 W .028 T .028 T .028 T .028 T .028 V .028 W .028 T
Analysis Date <	8 - 27 - 101 - 98 < 8 - 27 - 101 - 98 < 8 - 27 - 101 - 98 < 8 - 27 - 101 - 98 < 8 - 27 - 101 - 98 < 8 - 27 - 101 - 98 < 8 - 27 - 101 - 98 < 8 - 27 - 101 - 98 < 8 < 8 - 27 - 101 - 98 < 8 < 8 - 27 - 101 - 98 < 8 < 8 - 27 - 101 - 98 < 8 < 8 - 27 - 101 - 98 < 8 < 8 - 27 - 101 - 98 < 8 < 8 - 27 - 101 - 98 < 8 < 8 - 27 - 101 - 98 < 8 < 8 - 27 - 101 - 98 < 8 < 8 - 27 - 101 - 98 < 8 < 8 - 27 - 101 - 98 < 8 < 8 - 27 - 101 - 98 < 8 < 8 - 27 - 101 - 98 < 8 < 8 - 27 - 101 - 98 < 8 < 8 - 27 - 101 - 98 < 8 < 8 - 27 - 101 - 98 < 8 < 8 - 27 - 101 - 98 < 8 < 8 - 27 - 101 - 98 < 8 < 8 - 27 - 101 - 98 < 8 < 8 - 27 - 101 - 98 < 8 < 8 < 8 - 27 - 101 - 98 < 8 < 8 < 8 - 27 - 101 - 98 < 8 < 8 < 8 < 8 - 27 - 101 - 98 < 8 < 8 < 8 < 8 < 8 < 8 < 8 < 8 < 8	28 - NUL - 28 - NUL -
Prep ot Date	SDMG 01-JUN-98 SDMG 08-JUL-98 SDMG 28-MAY-98 SDMG 01-JUN-98 SDMG 01-JUN-98 SDMG 28-MAY-98 SDMG 28-MAY-98 SDMG 28-MAY-98 SDMG 01-JUN-98	TDN1 28-MAY-98 TD01 01-JUN-98
Test Name	PC8248 S PC8248 PC8254 S PC8254 S PC8254 S PC8254 S PC8256 S PC8260 S PC826	ABHC TO ACLDAN TO ACLDAN TO ACLDAN TO ACLDAN TO ACLDAN TO ACLDAN TO ALDRN TO BBHC TO B
IRDMIS Method Code	UH02	UH13
Contractor Method Description	PESTICIDES/WATER/GCEC PESTICIDES/WATER/GCEC PESTICIDES/WATER/GCEC PESTICIDES/WATER/GCEC PESTICIDES/WATER/GCEC PESTICIDES/WATER/GCEC PESTICIDES/WATER/GCEC PESTICIDES/WATER/GCEC PESTICIDES/WATER/GCEC PESTICIDES/WATER/GCEC PESTICIDES/WATER/GCEC PESTICIDES/WATER/GCEC PESTICIDES/WATER/GCEC	PESTICIDES/WATER/GGEC PESTICIDES/WATER/GGEC
Contractor	ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES	ABB-ES AB

TABLE D-2 METHOD BLANKS (Water) FI. DEVENS AOC 57

Unit	ਫ਼	ਜ਼
Value Flag	.0245 .0245 W .0562 .0562 .0507 .057 .057 W .0233 W .0233 W .027 W .027 W .034 .1.35	
Analysis Date <		8 15-JUN-98 < 8 16-JUN-98 < 8 16-JUN-98 < 8 15-JUN-98 < 8
Prep Lot Date		MDHO 28-MAY-98 MDHO 28-MAY-98
Test	HPCLE HPCLE ISOOR ISOOR LIN LIN MEXCLR PPDDD PPDDD PPDDD PPDDD PPDDD PPDDD PPDDD PPDDD PPDDD PPDDD PPDDD PPDDD TXPHEN	124708 124708 120018 120018 120018 130018 130018 140018 140018 24570P 24570P 24670P 24670P 24670P 24001P 24001P
IRDMIS Method Code	H 3	UM18
• Method Description	PESTICIDES/WATER/GCEC PESTICIDES/WATER/GCEC	ORGANICS/WATER/GCMS ORGANICS/WATER/GCMS
Contractor	ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES	ABB - ES ABB

METHOD BLANKS (Water) FT. DEVENS AOC 57

FT. DEVENS AOC 57 1998 SUPPLEMENTAL FIELD INVESTIGATION

Unit	ਖ਼ ਖ਼ਫ਼	흑림
Flag		3
Value	-4466888 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1	5.2
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Analysis Date	15-10N-98 15-10N-98 15-10N-98 15-10N-98 15-10N-98 15-10N-98 15-10N-98 15-10N-98 15-10N-98 15-10N-98 15-10N-98 15-10N-98 15-10N-98 15-10N-98 15-10N-98 15-10N-98 15-10N-98	16-JUN-98 15-JUN-98
Prep Date	28-MAY-98 21-JUN-98 22-MAY-98 23-MAY-98 23-MAY-98 24-MAY-98 24-MAY-98 25-MAY-98 26-MAY-98 27-JUN-98 28-MAY-98 28-MAY-98 21-JUN-98 28-MAY-98 21-JUN-98 21-JUN-98 21-JUN-98 21-JUN-98 21-JUN-98 21-JUN-98 22-MAY-98 23-MAY-98 21-JUN-98 23-MAY-98	01-JUN-98 28-MAY-98
Lot	29292929292929292929292929292929292929	
Test Name	24DNP 24DNT 24DNT 24DNT 26DNT 26DNT 2CLP 2CLP 2CLP 2CLP 2CNAP 2MNAP 2MNAP 2MNAP 2MNAP 2MNAP 2MNAP 2MNAP 2MNAP 2MNAP 46DN2C 46DN2C 46DN2C 4CANIL 4CL3C 4CL7C 4CL7C 4MP 4MP	4NANIL 4NP
IRDMIS Method Code	<u>8</u> 5	
Contractor Method Description	DRGANICS/WATER/GCMS DRGANICS/WATER/GCMS ORGANICS/WATER/GCMS	DRGANICS/WATER/GCMS
Contractor Me	ABB-ES AB	

METHOD BLANKS (Water) FT. DEVENS ACC 57

FT. DEVENS AUC 5/ 1998 SUPPLEMENTAL FIELD INVESTIGATION

ntractor	ntractor Wethod Description	IRDMIS Method Code	Test Name	Lot	Prep Date	Analysis Date <		Value Flag	Unit
							:		
B-ES	ORGANICS/WATER/GCMS	UM18		2		> 86-Nnr-9L		<u>,</u>	٠ د د
B-ES	ORGANICS/WATER/GCMS			오오	-	15-JUN-98 <		4 ~	3 5
8-ES	ORGANICS/WATER/GCMS			2		26-NUL-91			J :
B-ES	ORGANICS/WATER/GCMS			웊	28-MAY-98	15-JUN-98 <			3
B-ES	ORGANICS/WATER/GCMS			01 12	01-JUN-98	16-JUN-98 <		5.1 \$	5
R-FS	DRGANICS/WATER/GCMS		AENSLF V	오오	28-MAY-98	15-JUN-98 <			<u>ප්</u>
R-ES	ORGANICS/WATER/GCMS			2010	01-JUN-98	16-JUN-98 <		9.2 法	널
R-FS	ORGANICS/WATER/GCMS			운옷	28-MAY-98	15-JUN-98 <			5
R-FS	ORGANICS/WATER/GCMS			O1 0₹	01-JUN-98	16-JUN-98 <			Te Cel
B-ES	ORGANICS/WATER/GCMS			모옷	28-MAY-98	15-JUN-98 <		1.7	5
8-ES	ORGANICS/WATER/GCMS		ANAPNE	5010	01-JUN-98	16-JUN-98 <		1.7	5
R-FS	ORGANICS/WATER/GCMS			모으	28-MAY-98	15-JUN-98 <		יני	ఠ
- F.S.	ORGANICS/WATER/GCMS		ANAPYL 1	500	01-JUN-98	16-JUN-98 <			ng T
R-FS	ORGANICS/WATER/GCMS			모으	28-MAY-98	15-JUN-98 <		ιĴ	먑
- H	ORGANICS/WATER/GCMS			200	01-JUN-98	16-JUN-98 <			d d
2 - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2 -	ORGANICS/WATER/GCMS		_	운	28-MAY-98	15-JUN-98 <		7.5	ng.
2 H-2	ORGANICS/WATER/GCMS			MO 10	01-JUN-98	16-JUN-98 <		1.5 W	rg Ng
7 - H	ORGANICS/WATER/GCMS			옷	28-MAY-98	15-JUN-98 <		5.3	년 기
24-E	OPCANICS /WATER/GCMS			0105		16-JUN-98 <		5.3 W	J N
-E2	OPGANICS /WATER/GCMS			유유		15-JUN-98 <		1.9	J Nei
2 - E C	OPGANICS/WATER/GCMS			5010		16-JUN-98 <		1.9 W	UG.
E-F3	ORGANICS/WATER/GCMS		BZEHP	운		15-JUN-98		8	년 기
2 - E	ORGANICS/WATER/GCMS			M 10	01-JUN-98	16-JUN-98 <		4.8 W	UGL
8-FS	ORGANICS/WATER/GCMS		~	유유	28-MAY-98	15-JUN-98 <		1.6	널
R-FS	ORGANICS/WATER/GCMS		BAANTR	MO 10	01-JUN-98	16-JUN-98 <		1.6 W	der Cer
R-FS	ORGANICS/WATER/GCMS		BAPYR	유유	28-MAY-98	15-JUN-98 <		7.4	<u>ප්</u>
B-ES	ORGANICS/WATER/GCMS			MD 10	01-JUN-98	16-JUN-98 <		4.7 W	<u>គ</u>
B-ES	ORGANICS/WATER/GCMS		BBFANT	오오	28-MAY-98	15-JUN-98 <		5.4	UGI.
B-ES	ORGANICS/WATER/GCMS		BBFANT	2 2 3	01-JUN-98	16-JUN-98 <			년 기
B-ES	ORGANICS/WATER/GCMS		BBHC 1	오오	28-MAY-98	15-JUN-98 <		4 R	ฮ ก
B-ES	ORGANICS/WATER/GCMS		BBHC	MO 10	01-JUN-98	16-JUN-98 <		4 RW	ב מפר
18-ES	ORGANICS/WATER/GCMS			오오	28-MAY-98	15-JUN-98 <	.,	5.4	g :
B-ES	ORGANICS/WATER/GCMS			50 10 10	01-JUN-98	- 10-JUN-98 ×	.,	7.0	년 5
88-ES	ORGANICS/WATER/GCMS			오오	28-MAY-98	15-JUN-98 <		7.7 2.7 2.7 2.7	를 :
B-ES	ORGANICS/WATER/GCMS			2 2	01-JUN-98	76-JUN-98 ×		₹ v. v.	를 :
88-ES	ORGANICS/WATER/GCMS		BENZID	오	28-MAY-98	15-JUN-98 <	.,	¥ 2	

METHOD BLANKS (Water) FT. DEVENS AOC 57

Unit	தத் தத்தத்	<u> </u>	; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ;
Value Flag	10 kg 13 kg 6.1 k 87 kg	20. 20. 20. 20. 20. 20. 20. 20. 20. 20.	
Analysis Date <	16-JUN-98 < 15-JUN-98		
Prep Lot Date	WD10 01-JUN-98 WDH0 28-MAY-98 WD10 01-JUN-98 WDH0 28-MAY-98 WD10 01-JUN-98 WDH0 28-MAY-98		
Test Name	BENZID BENZOA BENZOA BGHIPY BGHIPY BKFANT	BZALC BZALC CARBAZ CARBAZ CHRY CHRY	CLC682 CLC682 CLC67 CLC67 CLC67 CLC67 CLC67 CLC67 DBAHA DBAH
IRDMIS Method Code	UM18		
Contractor Method Description	ORGANICS/WATER/GCMS ORGANICS/WATER/GCMS ORGANICS/WATER/GCMS ORGANICS/WATER/GCMS ORGANICS/WATER/GCMS ORGANICS/WATER/GCMS	ORGANICS/WATER/GCMS ORGANICS/WATER/GCMS ORGANICS/WATER/GCMS ORGANICS/WATER/GCMS ORGANICS/WATER/GCMS ORGANICS/WATER/GCMS ORGANICS/WATER/GCMS	ORGANICS/WATER/GGMS ORGANICS/WATER/GGMS
Contractor	ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES	ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES	ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES

1998 SUPPLEMENTAL FIELD INVESTIGATION TABLE D-2 METHOD BLANKS (Water) FT. DEVENS AOC 57

ontractor	· Method Description	IRDMIS Method Code	Test Name	Lot	Prep Date	Analysis Date	, , , , , , , , , , , , , , , , , , ,	Value	Flag	Unit
BB-ES	ORGANICS/WATER/GCMS	UM18	ENDRN	101 101 101 101 101	01-JUN-98	16-JUN-98		7.6 R	3	ner Ner
38-ES	ORGANICS/WATER/GCMS		ENDRNA	오	28-MAY-98	15-JUN-98	.		∝.	년 등
BB-ES	ORGANICS/WATER/GCMS		ENDRNA	2	01-JUN-98	. 86-NUL-91	v	× 6	3	를 등
88-ES	ORGANICS/WATER/GCMS		ENDRNK	웃	-	15-JUL-98			:	를 :
BB-ES	ORGANICS/WATER/GCMS		ENDRNK	₹ 010		16-JUN-98	v		≥.	<u>5</u>
3B-ES	ORGANICS/WATER/GCMS		ESFSO4	오오	28-MAY-98	15-JUN-98				를 :
BB-ES	ORGANICS/WATER/GCMS		ESFS04	2 010		16-JUN-98		2.0	3	<u> </u>
BB-ES	ORGANICS/WATER/GCMS		FANT	옷		15-JUN-98	·	יי ייי		를 :
3B-ES	ORGANICS/WATER/GCMS		FANT	200	_	16-JUN-98	V	ייני מייני מייני		를 등
3B-ES	ORGANICS/WATER/GCMS		FLRENE	오		- 20-NDF-CL	v	\ 1		를 :
8B-ES	ORGANICS/WATER/GCMS		FLRENE	500		16-JUN-98	v			3
3B-ES	ORGANICS/WATER/GCMS		GCLDAN	오오		15-JUN-98	v		≃ i	g 5
3B-ES	ORGANICS/WATER/GCMS		GCLDAN	으 옷		16-JUN-98	v	٠.	3	5
BB-ES	ORGANICS/WATER/GCMS		윤	모		15-JUN-98	v	7.7		널
38-ES	ORGANICS/WATER/GCMS		HCBD	5010		16-JUN-98	v	3.4	_	<u>ප්</u>
BR-FS	ORGANICS/WATER/GCMS		¥РС	오오		15-JUN-98	v	2		ទ
38-ES	ORGANICS/WATER/GCMS		FPC	500		16-JUN-98	~	2	3	<u>ട്</u>
BR-FS	ORGANICS/WATER/GCMS		HPCLE	모으		15-JUN-98 ·	v	ω 	~	널
BB-ES	ORGANICS/WATER/GCMS		HPCLE	MD10		16-JUN-98	v	-	æ	년 :
3B-ES	ORGANICS/WATER/GCMS		ICDPYR	오오	• •	15-JUN-98	v	9.0		<u>ප්</u>
3B-ES	ORGANICS/WATER/GCMS		ICDPYR	₹ 10 10		16-JUN-98	v	9.0	_	<u> </u>
38-ES	ORGANICS/WATER/GCMS		ISOPHR	유		15-JUN-98	v	8 4		년 :
BB-ES	ORGANICS/WATER/GCMS		ISOPHR	<u>2</u>			v	χ,	_	를 :
3B-ES	ORGANICS/WATER/GCMS		LIN	오오			v	7	امہ	털 :
3B-ES	ORGANICS/WATER/GCMS		LIN	200		86-NNC-9L	v		₹.	를 등
3B-ES	ORGANICS/WATER/GCMS		MEXCLR	오오	• •	15-3UN-98	·	~ ·	ا حد	<u> </u>
88-ES	ORGANICS/WATER/GCMS		MEXCLR	200		16-JUN-98	v			g :
3B-ES	ORGANICS/WATER/GCMS		NAP	웊		15-JUN-98	v	Ų,		<u> </u>
BB-ES	ORGANICS/WATER/GCMS		NAP	500	_	16-JUN-98	v	٠, ۱	_	를 :
BB-ES	ORGANICS/WATER/GCMS		9 8	오오		15-JUN-98	v	٠. i		න් :
38-ES	ORGANICS/WATER/GCMS		NB NB	500		16-JUN-98	v		_	<u>ප්</u>
88-ES	ORGANICS/WATER/GCMS		NNDWEA	오		15-JUN-98	v	2	œ ;	<u>ಕ</u>
38-ES	ORGANICS/WATER/GCMS		NNDMEA	9		16-JUN-98	v	_	3	g :
88-ES	ORGANICS/WATER/GCMS		NNDNPA	오오		15-JUN-98	v	7 7		털 :
38-ES	ORGANICS/WATER/GCMS		NNDNPA	5		16-JUN-98	v	7. 7		널 :
BB-ES	ORGANICS/WATER/GCMS		NNDPA	웃	28-MAY-98	15-JUN-98	v	8		<u>ച്ച</u>

METHOD BLANKS (Water) FT. DEVENS AOC 57

Unit	i ig	ner	림	ig S	д Н	ц Б	UGP.	UGP.	<u>ച്</u>	ig Tg	3	널	털	림	널	널	д Ы	를 :	널	를 :	널	년 5	팀	걸	LGL LGL	털	<u>ട</u>	ց	널	ฮี	덩	3	털	림	
Value Flag	3.15	21 R	21 RM	24 8	21 ₹	21 R	21 35	30 R	30 FE	30 R	30 RW	36 R	36 RW	36 R	36 18	18	3 8	رڻ ا	.5	9.2	9.2	4 R				9.2 R		2.8	2.8	36 R		M 5.	7.2 ¥	. 89°	
Analysis Date <	16-JUN-98 <	15II N-98 <	16-JUN-98 <	15-JUN-98 <	16-JUN-98 <	15-JUN-98 <	16-JUN-98 <	15-JUN-98 <	16-JUN-98 <	15-JUN-98 <	16-JUN-98 <	15-JUN-98 <	16-JUN-98 <	15-JUN-98 <	16-JUN-98 <	15-JUN-98 <	16-JUN-98 <	15-JUN-98 <	16-JUN-98 <	15-JUN-98 <	16-JUN-98 <	15-JUN-98 <	16-JUN-98 <	15-JUN-98 <	16-JUN-98 <	15-JUN-98 <	16-JUN-98 <	15-JUN-98 <	16-JUN-98 <	15-JUN-98 <	16-JUN-98 <	03-JUN-98 <	03-JUN-98 <	03-70N-58 ×	
Prep Date	0 01-JUN-98			•	-		-		10 01-JUN-98		_		_										_						TO 01-JUN-98			03-JUN-98	03-JUN-98	03-10N-98	
Lot	: <u>3</u>	55	_					전				•			010%							SHOW					5010	오오	F010		_		30 K		
Test Name	AGNN	Prant.	PCR016	PCR221	PCB221	PCB232	PCB23	PCB242	PCB242	PCB248	PCB248	PCB254	PCB254	PCB26(PCB260	<u>8</u>	<u>გ</u>	PHANTR	PHANTR	PHENOL	PHENOL	PPDDD	PPDDD	PPDDE	PPDDE	PP001	PPDDT	PYR	PYR	TXPHEN	TXPHEN	111TCE	112TCE	110CE	
Method Code	LM18) - - -																														UMZO			
Contractor Method Description	ORGANICS /WATER /GCMS	ODCANTON INTERVEN	ORGANICS/ WATER/ GCRS	OPCANT CO ANATEM COMS	OPERATOR /UNTER/GCMS	ORGANICS/WATER/GCMS	VOLATILES/WATER/GCMS	VOLATILES/WATER/GCMS	VOLATILES/WATEK/GCMS																										
Contractor	ARR-FC	700 LS	ADD-ES	ABB-ES	ABB-ES	ABB-ES	ARR-FS	ABB-FS	ARR-FS	ABB-ES	ARR-FS	ARR-FS	ABB-ES	ABB-ES	ABB-ES	ABB-ES	2																		

METHOD BLANKS (Water) FT. DEVENS AOC 57

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	Analysis Date	86-NNT-50 88-NNT-50
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[GAT]		86-NNT-50 87-NNT-50 88-NNT-50
VEST.	Prep Date	03-11N-98 03-11N-98
NI Q	Lot	
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ENTAL	e X	120CE 120CE 120CE 120CL 120CL 120CL 120CL 130CL 130C 130C 130C 130C 130C 130C 130C 130C
PLEM	Test Name	12000 12000
1998 SUPPLEMENTAL FIELD INVESTIGATION	IRDMIS Method Code	M20
19	HEU	· 5 !
	tion	OLATILES/WATER/GCMS OLATILES/WATER/GCMS
	scrip	NATE CAREE C
	g Q	
	Method Description	VOLATILES/WATER/GGMS VOLATILES/WATER/GGMS
	Contractor	488 - 5
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RINSE BLANKS FT. DEVENS AOC 57

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Flag				F F	
Value	2.93	2.5 6.28 52.9 59.2 49 49 36.1	.194 .16 .19 .19 .208	.075 .075 .026 .026 .018 .028 .028 .026 .026 .026 .026 .026 .026 .026 .026	.0358
V	* * *	** **	* * * * * * *	· · · · · · · · · · · · · · · · · · ·	v
Analysis Date	30-JUN-98 12-NOV-98 12-NOV-98	03-JUN-98 03-JUN-98 03-JUN-98 03-JUN-98 03-JUN-98 03-JUN-98 03-JUN-98	86-NN7-20 - 86-NN7-20 - 86-NN7-20 - 86-NN7-20 - 86-NN7-20 - 86-NN7-20	28-MAY-98 28-MAY-98	3-MAY-98
	86-88 2112	**************************************	888888	***************************************	
Sample Date		20-MAY-98 20-MAY-98 20-MAY-98 20-MAY-98 20-MAY-98 20-MAY-98	20-MAY-98 20-MAY-98 20-MAY-98 20-MAY-98 20-MAY-98 20-MAY-98		20-MAY-98
Lot	OKNB OKSB OKSB OKSB	0646 0646 0646 0646 0646 0646	SOUG SOUG SOUG SOUG SOUG		TDSI
Test Name	AS PB SE SE	BA CC CC SS SS SS SS SS SS SS SS SS SS SS	PCB016 PCB221 PCB232 PCB242 PCB248 PCB254	ABHC ACLDAN ACLDAN ACLDAN ACLDRN BBHSL DBHSC DLDRN ENDRN ENDRN ENDRN ENDRN ENDRN ENDRN ENDRN ENDRN ENFCL HPCL I SOOR LIN MEXCLR PPDDD PPDDD	PPDDT
Lab Number	LADV1W*2 DV1W*102 DV1W*102 DV1W*102	LADV14*2 LADV14*2 LADV14*2 LADV14*2 LADV14*2 LADV14*2 LADV14*2	LADV14*2 LADV14*2 LADV14*2 LADV14*2 LADV14*2 LADV14*2 LADV14*2	LADV1147 LADV11472	LADV1W*2
IRDMIS Field Sample Number	SBK98001 SBK98001 SBK98001 SBK98001	SBK98001 SBK98001 SBK98001 SBK98001 SBK98001 SBK98001 SBK98001	SBK98001 SBK98001 SBK98001 SBK98001 SBK98001 SBK98001 SBK98001	SBK/98001 SBK/98001 SBK/98001 SBK/98001 SBK/98001 SBK/98001 SBK/98001 SBK/98001 SBK/98001 SBK/98001 SBK/98001 SBK/98001 SBK/98001 SBK/98001 SBK/98001 SBK/98001 SBK/98001 SBK/98001 SBK/98001	SBK98001
IRDMIS Site ID	SBK-98-001 SBK-98-001 SBK-98-001 SBK-98-001	SBK-98-001 SBK-98-001 SBK-98-001 SBK-98-001 SBK-98-001 SBK-98-001 SBK-98-001	SBK-98-001 SBK-98-001 SBK-98-001 SBK-98-001 SBK-98-001 SBK-98-001 SBK-98-001	SBK-98-001 SBK-98-001 SBK-98-001 SBK-98-001 SBK-98-001 SBK-98-001 SBK-98-001 SBK-98-001 SBK-98-001 SBK-98-001 SBK-98-001 SBK-98-001 SBK-98-001 SBK-98-001 SBK-98-001 SBK-98-001 SBK-98-001	SBK-98-001
IRDMIS Method Code	S303	SS18	UH02	UH13	
scription	TER/ICP-MS TER/ICP-MS TER/ICP-MS	TEK/10P TEK/10P TEK/10P TEK/10P TEK/10P TEK/10P	S/WATER/GCEC S/WATER/GCEC S/WATER/GCEC S/WATER/GCEC S/WATER/GCEC S/WATER/GCEC	S/WATEK/GGEC S/WATEK/GGEC	S/WATER/GCEC
Method Des	METALS/WATER/ICP-MWETALS/WATER	METALS/WATER/ICP METALS/WATER/ICP METALS/WATER/ICP METALS/WATER/ICP METALS/WATER/ICP METALS/WATER/ICP METALS/WATER/ICP	PESTICIDES/WATER/GG PESTICIDES/WATER/GG PESTICIDES/WATER/GG PESTICIDES/WATER/GG PESTICIDES/WATER/GG PESTICIDES/WATER/GG	PESTICIDES/MATER/G PESTICIDES/MATER/G	PESTICIDES/WATER/G
Contractor Method Description	ABB-ES *?* *?*	ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES	ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES	ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES	ABB-ES

RINSE BLANKS FT. DEVENS AOC 57

ontractor	ontractor Method Description	IRDMIS Method Code	IRDMIS Site ID	IRDMIS Field Sample Number		Test Name		Sample Date	Analysis Date	< Value	Flag	Unit
BB-ES	PESTICIDES/WATER/GCEC	UH13	SBK-98-001	SBK98001	LADV1W*2	TXPHEN	TDSI 20	20-MAY-98	28-MAY-98	< 1.35		널
AR-FC	ORGANITY / WATER / GTMS	IM18	SBK-98-001	SBK98001	1 ADV1W*2	124TCB	LIDHO 2	1-MAY-98	15-JUN-98	2.3	•	ng.
RR-FS	ORGANICS/WATER/GCMS	2	SBK-98-001	SBK98001	LADV1W*2	120CLB		21-MAY-98	15-JUN-98			ם
ABB-ES	ORGANICS/WATER/GCMS		SBK-98-001	SBK98001	LADV1W*2	120PH		21-MAY-98	15-JUN-98	2	~	뜅
ABB-ES	ORGANICS/WATER/GCMS		SBK-98-001	SBK98001	LADV1W*2	130CLB		21-MAY-98	15-JUN-98	2.2	•	걸
BB-ES	ORGANICS/WATER/GCMS		SBK-98-001	SBK98001	LADV1W*2	14DCLB		21-MAY-98	15-JUN-98	2.2	•	궠
ABB-ES	ORGANICS/WATER/GCMS		SBK-98-001	SBK98001	LADV1W*2	245TCP		21-MAY-98	15-JUN-98	5.4	_	펅
BB-ES	ORGANICS/WATER/GCMS		SBK-98-001	SBK98001	LADV1W*2	246TCP		21-MAY-98	15-JUN-98	4.1		널
ABB-ES	ORGANICS/WATER/GCMS		SBK-98-001	SBK98001	LADV1W*2	240CLP		21-MAY-98	15-JUN-98	3.1	_	멸
BB-ES	ORGANICS/WATER/GCMS		SBK-98-001	SBK98001	LADV1W*2	24DMPN		21-MAY-98	15-JUN-98	6.2	•	펄
ABB-ES	ORGANICS/WATER/GCMS		SBK-98-001	SBK98001		24DNP		21-MAY-98	15-JUN-98			털
BB-ES	ORGANICS/WATER/GCMS		SBK-98-001	SBK98001		24DNT		21-MAY-98	15-JUN-98	7-4		굨
BB-ES	ORGANICS/WATER/GCMS		SBK-98-001	SBK98001		26DNT		21-MAY-98	15-JUN-98	2.		폌
BB-ES	ORGANICS/WATER/GCMS		SBK-98-001	SBK98001		2CLP		21-MAY-98	15-JUN-98	v		폌
ABB-ES	ORGANICS/WATER/GCMS		SBK-98-001	SBK98001		2CNAP	2 모모	21-MAY-98	15-JUN-98	75.		폌
BB-ES	ORGANICS/WATER/GCMS		SBK-98-001	SBK98001		ZMNAP		21-MAY-98	15-JUN-98	1.8	~	걸
ABB-ES	ORGANICS/WATER/GCMS		SBK-98-001	SBK98001	LADV1W*2	Z¥.		21-MAY-98	15-JUN-98	7		를:
BB-ES	ORGANICS/WATER/GCMS		SBK-98-001	SBK98001	LADV1W*2	2NANI L	-	21-MAY-98	15-JUN-98	7		널
BB-ES	ORGANICS/WATER/GCMS		SBK-98-001	SBK98001	LADV1W*2	ZNP	유모	21-MAY-98	15-JUN-98	3.8		ਤੂ
ABB-ES	ORGANICS/WATER/GCMS		SBK-98-001	SBK98001		33DCBD		21-MAY-98	15-JUN-98	7.8	_	19
ABB-ES	ORGANICS/WATER/GCMS		SBK-98-001	SBK98001		SNANIL	유명	21-MAY-98	15-JUN-98	5.7		널
BB-ES	ORGANICS/WATER/GCMS		SBK-98-001	SBK98001	LADV1W*2	46DNZC		21-MAY-98	15-JUN-98	74		널:
ABB-ES	ORGANICS/WATER/GCMS		SBK-98-001	SBK98001	LADV1W*2	4BRPPE		21-MAY-98	15-JUN-98	7		<u>ප්</u>
BB-ES	ORGANICS/WATER/GCMS		SBK-98-001	SBK98001	LADV1W*2	4CANIL		21-MAY-98	15-JUN-98	4.8	. •	ප් ප්
ABB-ES	ORGANICS/WATER/GCMS		SBK-98-001	SBK98001	LADV1142	4cl_3c		21-MAY-98	15-JUN-98	7		ਤ
BB-ES	ORGANICS/WATER/GCMS		SBK-98-001	SBK98001	LADV1W*2	4CLPPE		21-MAY-98	15-JUN-98	•		<u></u>
ABB-ES	ORGANICS/WATER/GCMS		SBK-98-001	SBK98001	LADV1W*2	4MP	2 25 25	21-MAY-98	15-JUN-98	.6.		멸:
BB-ES	ORGANICS/WATER/GCMS		SBK-98-001	SBK98001	LADV1W*2	4NANIL	-	21-MAY-98	15-JUN-98	5.		ਰ ਹ
ABB-ES	ORGANICS/WATER/GCMS		SBK-98-001	SBK98001	LADV1W*2	4NP	경우	21-MAY-98	15-JUN-98	. 18		렬
ABB-ES	ORGANICS/WATER/GCMS		SBK-98-001	SBK98001	LADV1W*2	ABHC		21-MAY-98	15-JUN-98	7	-	럴
ABB-ES	ORGANICS/WATER/GCMS		SBK-98-001	SBK98001	LADV1W*2	ACLDAN		21-MAY-98	15-JUN-98	, <u>.</u> .		폌
ABB-ES	ORGANICS/WATER/GCMS		SBK-98-001	SBK98001		AENSLF		21-MAY-98	15-JUN-98	9.2	~	폌
RR-FS	ORGANICS/UATER/GCMS		SBK-98-001	SBK98001	LADV1W*2	ALDRN	JOHO 20	21-MAY-98	15-JUN-98	7.4		걸
MBB-ES	ORGANICS/WATER/GCMS		SBK-98-001	SBK98001	LADV1W*2	ANAPNE	-	21-MAY-98		1.8	~	널
RR-FS	ORGANICS/UATER/GCMS		SBK-98-001	SBK98001	LADV1W*2	ANAPYL	15 HO 2	21-MAY-98	15-JUN-98	'n	٥.	ษี
RR-FS	ORGANICS/WATER/GCMS		SBK-98-001	SBK98001		ANTRC		21-MAY-98	15-JUN-98	ŗ,	_	멸
RR-FS	ORGANICS/WATER/GCMS		SBK-98-001	SBK98001		BZCEXM		21-MAY-98	15-JUN-98	1.6		널
מם בים	ODCANICS/NATER/GCMS		SRK-98-001	SBK98001	LADV1W*2	BZCIPE		21-MAY-98	15-JUN-98	7.9		폌
21 00	ONDAIN TOUR TOUR COURT				! : :	1						

RINSE BLANKS FT. DEVENS AOC 57

FT. DEVENS ACC 57 1998 SUPPLEMENTAL FIELD INVESTIGATION

Unit	<u>ਫ਼</u>
Flag	~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~
Value	4-40 WO 48 000 -04-W - 0WW04
1	
Analysis Date	4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4
Sample Date	21-MAY-98 21-MAY-98
Ę	# # # # # # # # # # # # # # # # # # #
Test Name	BECLEE BERTH BERTH BERNT BENZID BENZID BENZID BENZID BENZID BENZID BENZID BENZID BENZID BENZID BENZID BENZID BENZID BENZOA BENZO
Lab Number	LADVIL
IRDMIS Field Sample Number	SBK/98001 SBK/98001
IRDMIS Site ID	SSK-98-001 SSK-98-001
IRDMIS Method Code	E 138
Method Desc	ORGANICS/WATER/GCMS ORGANICS/WATER/GCMS
Contractor	ABB-ES AB

RINSE BLANKS FT. DEVENS AOC 57

Unit	<u>ਬੁਰਬਕਬਬਬਬਬਬਬਬਬਬ</u>	<u>ਫ਼ਫ਼ਫ਼ਫ਼ਫ਼ਫ਼ਫ਼ਫ਼ਫ਼ਫ਼ਫ਼ਫ਼ਫ਼ਫ਼</u>
Value Flag	7.5.2.4.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2	1.3 69 69 69 7.7 100 100 100 1.3 1.3 1.3
Aralysis Date <	-98 15- JUN-98 -98	98 03-10N-98 <
Sample Lot Date	Who 21-May-98 Who 21-May-98	XDGV 20-MAY-98 XDGV 20-MAY-98
Test Name	*2 MEXCLR *2 NAP *2 NAP *2 NAP *2 NUDMEA *2 PCB016 *2 PCB232 *2 PCB232 *2 PCB232 *2 PCB234 *2 PCB234 *2 PCB236 *2 PCB236 *3 PCB236 *4 PCB236 *4 PCB236 *5 PCB236 *5 PCB236 *5 PCB236 *5 PCB236 *5 PCB236 *6 PCB236 *6 PCB236 *7 PCB236	22 111CE 22 11DCE 22 11DCE 22 11DCE 22 12DCE 22
Lab Number	LADV11*2 LADV11*2 LADV11*2 LADV11*3 LADV11*3 LADV11*3 LADV11*3 LADV11*3 LADV11*3 LADV11*3 LADV11*3 LADV11*3 LADV11*3 LADV11*3 LADV11*3 LADV11*3 LADV11*3	LADV11#2 LADV11#2 LADV11#2 LADV11#2 LADV11#2 LADV11#2 LADV11#2 LADV11#2 LADV11#2 LADV11#2 LADV11#2 LADV11#2 LADV11#2
IRDMIS Field Sample Number	SBK98001 SBK98001	SBK98001 SBK98001 SBK98001 SBK98001 SBK98001 SBK98001 SBK98001 SBK98001 SBK98001 SBK98001 SBK98001 SBK98001 SBK98001 SBK98001 SBK98001 SBK98001
IRDMIS Site ID	SBK-88-001 SBK-88-001	SBK-98-001 SBK-98-001 SBK-98-001 SBK-98-001 SBK-98-001 SBK-98-001 SBK-98-001 SBK-98-001 SBK-98-001 SBK-98-001 SBK-98-001 SBK-98-001 SBK-98-001 SBK-98-001 SBK-98-001 SBK-98-001 SBK-98-001 SBK-98-001 SBK-98-001 SBK-98-001
IRDMIS Method Code	EM18	UMZO
Contractor Method Description	ORGANICS/WATER/GONS ORGANICS/WATER/GONS	VOLATILES/WATER/GGMS VOLATILES/WATER/GGMS VOLATILES/WATER/GGMS VOLATILES/WATER/GGMS VOLATILES/WATER/GGMS VOLATILES/WATER/GGMS VOLATILES/WATER/GGMS VOLATILES/WATER/GGMS VOLATILES/WATER/GGMS VOLATILES/WATER/GGMS VOLATILES/WATER/GGMS VOLATILES/WATER/GGMS VOLATILES/WATER/GGMS VOLATILES/WATER/GGMS VOLATILES/WATER/GGMS VOLATILES/WATER/GGMS VOLATILES/WATER/GGMS VOLATILES/WATER/GGMS VOLATILES/WATER/GGMS
Contracto	ABB-ES AB	ABB-ES ABB-ES

RINSE BLANKS FT. DEVENS AOC 57

ractor	ractor Method Description	IRDMIS Method Code	IRDMIS Site ID	IRUMIS Field Sample Number	Lab Number	Test	S Lot D	Sample A Date D	Analysis Date <	Value	Flag	Unit
	VOLATTI ES AUATER AGENS	I.M.20	SBK-98-001	SBK98001	LADV1W*2	C6H6	2 S	20-MAY-98 0	2-JUN-98 <	ιζ		UGF
3 4	VOLATILES/WATER/GCMS		SBK-98-001	SBK98001		CCL3F	-	20-MAY-98 0	03-JUN-98 <	1.4		걸
ខ្ព	VOLATILES/MATER/GCMS		SBK-98-001	SBK98001		ככור		_	> 86-NNF-20	ξζ.		ള
3 14	VOLATTI ES/WATER/GCMS		SBK-98-001	SBK98001		CH2CL2		20-MAY-98 0	> 86-NOF-5(2.2		널
3 2	VOLATI ES/WATER/GCMS		SBK-98-001	SBK98001		CH3BR		·	> 86-NNC-5(5.7		널
אַ נַגַּ עַנְיִי	VOLATTI ES/WATER/GCMS		SBK-98-001	SBK98001	LADV1W*2	CH3CL			23-JUN-98 <	3.4	_	<u>ا</u>
3 14	VOLATTI ES/WATER/GCMS		SBK-98-001	SBK98001	LADV1W*2	CHBR3		J	> 86-NNF-8(2.5		ᇹ
3 4	VOLATTI ES/MATER/GCMS		SBK-98-001	SBK98001	LADV1W*2	CHCL3	X ADQX	20-MAY-98 0	2-1UN-98 <	 		ಕ್ಷ
3 ដ	VOLATI ES/MATER/GCMS		SBK-98-001	SBK98001	LADV1W*2	CL2BZ	XDGV 2	20-MAY-98 0	> 96-NNC-50		<u>ح</u>	럴
3 2	VOLATILES/WATER/GCMS		SBK-98-001	SBK98001	LADV1W*2	CLC6H5	XDGV 2	20-MAY-98 0	> 86-NOF-50			ප් ප්
2 2	VOLATILES/WATER/GCMS		SBK-98-001	SBK98001	LADV1W*2	cs2	X 250	20-MAY-98 0	> 96-Nnr-50	.57		181
i ři	VOLATILES/WATER/GCMS		SBK-98-001	SBK98001	LADV1W*2	DBRCLM	XDGV 2	20-MAY-98 0	2-JUN-98 <	30	••	널
i i	VOLATTLES/WATER/GCMS		SBK-98-001	SBK98001	LADV1W*2	ETC6H5	2 2 2 2 3 3 4 4	0-MAY-98 0	> 86-Nnr-50	27	•••	5
i L	VOLATTI ES/WATER/GCMS		SBK-98-001	SBK98001	LADV1W*2	MEC6H5	200X	_	> 86-NNF-50	45	•	년 5
i K	VOLATILES/WATER/GCMS		SBK-98-001	SBK98001	LADV1W*2	줐			03-70V-98 <	9		5
S L	VOLATILES/WATER/GCMS		SBK-98-001	SBK98001	LADV1W*2	MIBK		_	> 96-Nnr-50	M I		5
S S	VOLAT I LES/WATER/GCMS		SBK-98-001	SBK98001	LADV1W*2			_	2-30N-98 <			<u> </u>
S. C.	VOLATILES/WATER/GCMS		SBK-98-001	SBK98001	LADV1W*2			_	> 36-Nn-50	3.1		3
Š	VOLATILES/WATER/GCMS		SBK-98-001	SBK98001	LADV1W*2			_	> 26-Nnr-58	יבי		g :
S.	VOLATILES/WATER/GCMS		SBK-98-001	SBK98001	LADV1W*2	TCLEA	2000	_	> 96-Nnr-50	 	_	를 :
i ii	VOLATTI ES/WATER/GCMS		SBK-98-001	SBK98001	LADV1W*2	TCLEE	• •	_	> 96-Nnr-50		•	5
ı Ç	VOI ATTI ES/WATER/GCMS		SBK-98-001	SBK98001	LADV1W*2	TRCLE	•		03-JUN-98 <	34.	_	<u>ಪ</u>
រូស៊	VOLATILES/WATER/GCMS		SBK-98-001	SBK98001	LADV1W*2	XYLEN	Ø6₹ 2	20-MAY-98 0	03-JUN-98 <	5/.	_	븅

TRIP BLANK RESULTS FT. DEVENS AOC 57

IRDMIS Site ID	TBK-98-001 TBK-98-02X	TBK-98-03X	TBK-98-001	TBK-98-02X	TBK-98-05X	TBK-98-001	TBK-98-02X	TBK-98-03X	TBK-98-001	TBK-98-02X	TBK-98-05X	TBK-98-001	TBK-98-02X	TBK-98-03X	TBK-98-001	TBK-98-02X	TBK-98-03X	TBK-98-001	TBK-98-02X	TBK-98-03X	TBK-98-001	TBK-98-02X	TBK-98-03X	TBK-98-001	TBK-98-02X	TBK-98-03X	TBK-98-001	TBK-98-02X	TBK-98-03X	TBK-98-001	TBK-98-02X	TBK-98-03X	TBK-98-001	18K-98-02X
unit L	뒄폌	Ę K	3	를 :	를 :	널	림	를 -	년 5	널:	5	널	걸	Ę,	ם	널	힘	걸	널	널	ם	ם	릵	LE LE	占	널	占 I	릵	GE	걸	3	<u>5</u>	<u>5</u>	3
Flag																											~	~	~	~	∝	~		
Value	ທ່ານ້	ιĵ	.3		1.3	74	74.	74.	69.	9.	9.	4.	64.	4.	ī.	ī.	'n	64.	64.	64.	.7	۲.	۲.	14	14	14	9	100	9	9	<u>8</u>	9	کرا	χ. Σ
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vsis.	03-JUN-98 4	NN-98 •	70N-98	-86-NN	* 86-N	* 86-NIC	78-Nn	- 86-Nn	- 86-NIT	25-JUN-98 ×	> 26-NNF-50	× 86-N∩	* 86-Nn	- 86-Nn	* 86-N	> 86-N∩r	* 86-N	^ 86-Nnr	* 86-Nn	* 86-Nnr	* 86-Nin	- 86-Nnr	03-JUN-98 <	× 86-N	708-Nnr	1UN-98 •	- 86-Nnr	03-JUN-98 <	- 86-Nn	- 86-Nnr	- 86-Nnr	* 86-NN	× 86-N	- 86-NDF
Analysis Date	62.5		8	6	8	6	8	5	5	_	_	Ŕ	ģ	ŝ	8	Š	8	8	8	03	Š				ß	8	9	_	6	93	6	8	S S	5
Prep Date	86-NOT-50	6-Nnr-		-7UN-98	-7UN-98	-7UN-98	- 7UN-98	03-JUN-98	-7UN-98	86-NN	- 7UN-98	03-JUN-98	6-NOT-	-30N-98	- 1UN-98	-7un-98	-30N-98	- JUN-98	- 7UN-98	03-JUN-98	-7UN-98	- 1UN-98	- 1UN-98	-JUN-98	03-JUN-98	03-JUN-98	-JUN-98	- JUN-98	- JUN-98	03-JUN-98	-7UN-98	- JUN-98	-7UN-98	03-JUN-98
			_		98 03-		-98 03				-98 03		-98 03	-98 03	68 03-1							38 03-		_	_	_	-98 03-						_	_
Sample Date	20-MAY-98 21-MAY-98	27-MAY-98	20-MAY-98	21-MAY-98	27-MAY-98	20-MAY-98			20-MAY-98	21-MAY-98	27-MAY	20-MAY-98	21-MAY-98	27-MAY-98	20-MAY	21-MAY-98	27-MAY	20-MAY-98	21-MAY	27-MAY-98	20-MAY-98	21-MAY-98	27-MAY-98	20-MAY-98			20-MAY-98	21-MAY		20-MAY-98	21-MAY-98	27-MAY-98	20-MAY-98	21-MAY-98
Lab Number	LADV1W*1 ADV1W*19	ADV1W*30	LADV1W*1	ADV1W*19	ADV1W*30	LADV1W*1	ADV1W*19	ADV1W*30	LADV1W*1		_	LADV1W*1	ADV1W*19	ADV1W*30	LADV1W*1	ADV1W*19	ADV1W*30		ADV1W*19		LADV1W*1	ADV1W*19	ADV1W*30	LADV1W*1	ADV1W*19	ADV1W*30		ADV1W*19	ADV1W*30		ADV1W*19	ADV1W*30	LADV1W*1	ADV1W*19
Field Sample Number	TBK98001 TBK98002	TBK98003	TBK98001	TBK98002	TBK98003	TBK98001	TBK98002	TBK98003	TBK98001	TBK98002	TBK98003	TBK98001	TBK98002	TBK98003	TBK98001	TBK98002	TBK98003	TBK98001	TBK98002	TBK98003	TBK98001	TBK98002	TBK98003	TBK98001	TBK98002	TBK98003	TBK98001	TBK98002	TBK98003	TBK98001	TBK98002	TBK98003	TBK98001	TBK98002
		щ	將	냂	щ				m	щ	щ	111			щ	щ	щ	۵,	_	۵,	y.	Æ	Ą				z	2,	z	0	o.	o,	Σ,	Σį
Test	- 111TCE V 111TCE V 111TCE	-	_	_	~			v 110ce					V 12DCE	•	•											/ ACET					/ ACRYLO	-		/ BRDCLM
Lot	: 88 : 88 :	X	XDGX	XDGX	XDGV	2 9€	YDGX.	XDQX	SOX	X S S S S	X QG	XDGX	X	XDGX	XDQX	XDQX	XDQX	S S S	XDQX	XDGX	XDGX	XDGX	XDGX	XDGX	XDGV	\ S O C N	XDGX	SOX	SD CX	XDCX	XDGX	XDGV	XDGX	XDGX
IRDMIS Method or Code	UM20																																	
Contractor	ABB-ES	ABB-ES	ABB-ES	ABB-ES	ABB-ES	ABB-ES	ABB-ES	ABB-ES	ABB-ES	ABB-ES	ABB-ES	ABB-ES	ABB-ES	ABB-ES	ABB-ES	ABB-ES	ABB-ES	ABB-ES	ABB-ES	ABB-ES	ABB-ES	ABB-ES	ABB-ES	ABB-ES	ABB-ES	ABB-ES	ABB-ES	ABB-ES	ABB-ES	ABB-ES	ABB-ES	ABB-ES	ABB-ES	ABB-ES

TRIP BLANK RESULTS FT. DEVENS AOC 57

IRDMIS Site ID	18K - 98 - 03 X 18K - 98 - 03
Unit	
Flag	
Value	8.0.0.0.0.0.0.0.0.0.0.0.0.0.0.0.0.0.0.0
Analysis Date <	88 03-11N-98 <
Prep Date	8 03-104-98 8 03-104-98
Sample Date	27-MAY-98 20-MAY-98 21-MAY-98
Lab Number	ADV14#19 ADV14#19
IRDMIS Field Sample Number	18K98003 18K98001 18K98001 18K98001 18K98003
Test Lot Name	XDGV BRDCLM XDGV C130CP XDGV C130CP XDGV C130CP XDGV C2AVE XDGV C2AVE XDGV C2AVE XDGV C2AVE XDGV C2AVE XDGV C2AVE XDGV C2AVE XDGV C2AVE XDGV C2AVE XDGV C2AVE XDGV C2AVE XDGV C2AVE XDGV C2AVE XDGV C2AVE XDGV C2AVE XDGV C2AVE XDGV C2AVE XDGV CAVE XDGV CAVE XDGV CAVE XDGV CCL3F XDGV CCL3F XDGV CCL3F XDGV CCL3F XDGV CAVE XDGV CA
IRDMIS Method	UMZ0
Contractor	ABB-ES AB

TRIP BLANK RESULTS FT. DEVENS AOC 57

IRDMIS t Site ID	TBK-98-02X TBK-98-03X	TBK-98-001	TBK-98-02X	TBK-98-03X	TBK-98-001	TBK-98-02X	18K-98-05X	18K-98-001	16K-98-02X	TEK-08-001	TBK-98-02X	TBK-98-03X	TBK-98-001	TBK-98-02X	TBK-98-03X	TBK-98-001	TBK-98-02X	TBK-98-03X	TBK-98-001	TBK-98-02X	TBK-98-05X	TBK-98-001	18K-98-02X	18K-98-05X	18K-98-001	TBK-98-02X	TBK-98-05X	TBK-98-001	TBK-98-02X	18K-98-05X	TBK-98-001	16K-90-02X	VCO-02-VG1
Unit	걸걸	뎔	ᅙ	널	널	털:	5	3	3 5	g =	3 5	널	ם	뎔	ᅙ	ց	널	털	9	9	9	널 :	3	3 3	3	널	널	널	널:	3	를 등	3 5	3
Value Flag	<u>יַלי</u> ַילַי		10 R		84.	87.	4. 20 i	۲.	 	ζ. 89	3.8	89	87.	84.	84.	67.	64.	67.	6.5	6.5	6.5	3.3	ر د ا	15.5	5.0	3.9	3.9	.45	24. 2.	3 Ι	ន់៖	ć k	ç) .
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Analysis Date	3 03-JUN-98	ģ	ġ	ŝ	Ŕ	3 03-JUN-98	3 05-JUN-98		5 US-JUN-98		05-NOT-50 5			3 03-JUN-98	3 03-JUN-98	3 03-JUN-98	3 03-JUN-98	3 03-JUN-98	3 03-JUN-98	3 03-JUN-98	3 03-JUN-98	3 03-JUN-98	3 05-JUN-98		ģ	ġ		8	8	5	S S	S US-JUN-98	ģ
Prep Date	88	8 03-JUN-98	8 03-JUN-98	8 03-JUN-98	8 03-JUN-98		8 03-JUN-98	8 03-JUN-98	8 US-JUN-98	8 US-3UN-98				8 03-JUN-98		8 03-JUN-98	8 03-JUN-98	8 03-JUN-98	8 03-JUN-98	8 03-JUN-98		8 03-JUN-98			8 03-JUN-98	8 03-JUN-98		8 03-JUN-98			9	8 05-70N-98	_
Sample Date	21-MAY-98							20-MAY-98		27-MAY-98				21-MAY-98	1 27-MAY-98	20-MAY-98			20-MAY-98				-			21-MAY-98			21-MAY-98				. c/-mat-yo
Lab Number	ADV1W*19 ADV1W*30	LADV1W*1	ADV1W*19	ADV1W*30	LADV1W*1	ADV1W*19	ADV1W*30	LADV1W*1	ADV1W*19	ADVIN"50	A 1.17.17.10	Anv1u*30	LADV1W*1	ADV1W*19	ADV1W*3C	LADV1W*1	ADV1W*19	ADV1W*30	LADV1W*1	ADV114*19	ADV1W*30	LADV1W*1	ADV1W*19	ADV1W*30	LADV1W*1	ADV1W*19	ADV1W*30	LADV1W*1	ADV1W*19	ADV1W*30	LADV1W*1	ADV1W*19	ADVIW-50
IRDMIS Field Sample Number	TBK98002 TBK98003	TBK98001	TBK98002	TBK98003	TBK98001	TBK98002	TBK98003	TBK98001	TBK98002	TBK98003	188,90001	TBY98003	TBK98001	TBK98002	TBK98003	TBK98001	TBK98002	TBK98003	TBK98001	TBK98002	TBK98003	TBK98001	TBK98002	TBK98003	TBK98001	TBK98002	TBK98003	TBK98001	TBK98002	TBK98003	TBK98001	TBK98002	IBKYSUUS
Test Lot Name	XDGV CHCL3				XDGV CLC6H5		_	XDGV CS2	_		XDGV DBKCLM			_			XDGV MEC6H5					XDGV MIBK		XDGV MIBK				XDGV STYR		٠,	_		XDGV T150CP
IRDMIS Method Code	UM20																																
Contractor	ABB-ES	ABB-ES	ABB-ES	ABB-ES	ABB-ES	ABB-ES	ABB-ES	ABB-ES	ABB-ES	ABB-ES	ABB-ES	ADD-CS	ABB-ES	ABB-ES	ABB-ES	ABB-ES	ABB-ES	ABB-ES	ABB-ES	ABB-ES	ABB-ES	ABB-ES	ABB-ES	ABB-ES	ABB-ES	ABB-ES	ABB-ES	ABB-ES	ABB-ES	ABB-ES	ABB-ES	ABB-ES	ABB-ES

TRIP BLANK RESULTS FT. DEVENS AOC 57

	IRDMIS	j- -	est	IRDMIS Field Sample	rap	Samole	Prep	Analysis					IRDMIS
ontractor		Lot	Name	Number	Number	Date	Date	Date	v ,	Value	Flag	Unit	Site ID
ES	UM20		CLEA	TBK98001	LADV1W*1	20-MAY-98	20-MAY-98 03-JUN-98 03-JUN-98	03-JUN-98	v	ιį			TBK-98-001
ES-	į		CLEA	TBK98002	ADV1W*19	21-MAY-98	21-MAY-98 03-JUN-98	03-JUN-98	v	ī.			TBK-98-02X
ABB-ES		N N N	TCLEA	TBK98003	ADV1W*30	27-MAY-98	27-MAY-98 03-JUN-98 03-JUN-98	03-JUN-98	~	ī.		NGF NGF	TBK-98-03X
S			JCLEE	TBK98001	LADV1W*1	20-MAY-98	1 20-MAY-98 03-JUN-98 03-JUN-98 <	03-JUN-98	v	1.6			TBK-98-001
Ë			CLEE	TBK98002	ADV1W*19	21-MAY-98	03-JUN-98	03-JUN-98	v	1.6			TBK-98-02X
Ė			SLEE CLEE	TBK98003	ADV1W*30	27-MAY-98	03-JUN-98	03-JUN-98	v	1.6			TBK-98-03X
Š			RCLE	TBK98001	LADV1W*1	20-MAY-98	03-JUN-98	03-JUN-98	v	84.			TBK-98-001
Š			RCLE	TBK98002	ADV1W*19	21-MAY-98	03-JUN-98	03-JUN-98	v	84.			TBK-98-02X
Ë			RCLE	TBK98003	ADV1W*30	27-MAY-98	03-JUN-98	03-JUN-98	v	. 48		텀	TBK-98-03X
Ϋ́			YLEN	TBK98001	LADV1W*1	20-MAY-98	03-JUN-98	03-JUN-98	v	٤.		Ы	TBK-98-001
ä			YLEN	TBK98002	ADV1W*19	21-MAY-98	03-JUN-98	03-JUN-98	v	٤.		Net	TBK-98-02X
Ë			YLEN	TBK98003	ADV1W*30	27-MAY-98	03-JUN-98 03-J	03-1UN-98	v	٤.		걸	TBK-98-03X

VOLATILE SURROGATE RESULTS FT. DEVENS AOC 57

Percent Recovery	20000000000000000000000000000000000000	28.0 0.027 0.038 0.038 0.038 0.038 0.038 0.038
Value Unit	.054 UGG .051 UGG .051 UGG .052 UGG .053 UGG .053 UGG .053 UGG .053 UGG .053 UGG .054 UGG .054 UGG .055 UGG .055 UGG .055 UGG .055 UGG .055 UGG	.048 UGG .045 UGG .047 UGG .047 UGG .048 UGG .041 UGG .041 UGG
Spike Value	ន់ស្តស់ស្តស់ស្តស់ស្តស់ស្តស់ស្តស់	ន់ស់សង់សង់សំង
Analysis Date	28-MAY-98 28-MAY-98 28-MAY-98 28-B-MAY-98 28-B-MAY-98 28-B-MAY-98 28-B-MAY-98 28-B-MAY-98 28-B-MAY-98 28-B-MAY-98 29-MAY-98 29-MAY-98 29-MAY-98 32-MAY-98	78 28-MAY-98 78 28-MAY-98 78 28-MAY-98 78 28-MAY-98 78 28-MAY-98 78 28-MAY-98 78 28-MAY-98 78 28-MAY-98 78 28-MAY-98 78 29-MAY-98
Sample Date	19-MAY-98 20-MAY-98 20-MAY-98 20-MAY-98 20-MAY-98 21-MAY-98 21-MAY-98 21-MAY-98 21-MAY-98 21-MAY-98 19-MAY-98 19-MAY-98 19-MAY-98 19-MAY-98 19-MAY-98 19-MAY-98 19-MAY-98	19-MAY-98 20-MAY-98 20-MAY-98 20-MAY-98 20-MAY-98 21-MAY-98 21-MAY-98
Ę	7601 7601 7601 7601 7601 7601 7601 7601	YGOL YGOL YGOL YGOL YGOL YGOL YGOL YGOL
Lab Number	ADV15*10 ADV15*12 ADV15*12 ADV15*12 ADV15*15 ADV15*15 ADV15*15 ADV15*16 ADV15*20 ADV15*20 ADV15*21 LADV15*2 LADV15*3 LADV15*3 LADV15*3 LADV15*4 LADV15*4 LADV15*4 LADV15*4	ADV15*10 ADV15*12 ADV15*12 ADV15*12 ADV15*14 ADV15*14 ADV15*15 ADV15*15 ADV15*17
IRDMIS Field Sample Number	SX570900 SX571401 SX571401 SX571401 SX571401 DX570200 DX570200 DX570300 DX570300 DX570300 DX570300 SX570300 SX570302 SX570302 SX570302 SX570302 SX570302 SX570303 SX570303 SX570303 SX570303 SX570303 SX570303 SX570303 SX570303 SX570303 SX570303 SX570303 SX570303	SX570900 SX571301 SX571401 SX571401 SX571401 SX571503 DX570100 DX570200 DX570200 DX570200
IRDMIS Site ID	575-98-13X 575-98-14X 575-98-14X 575-98-14X 575-98-14X 570-98-03X 570-98-03X 570-98-03X 570-98-03X 570-98-03X 570-98-03X 575-98-03X 575-98-01X 575-98-01X 575-98-01X 575-98-01X 575-98-01X 575-98-01X 575-98-01X 575-98-01X	57S-98-09X 57S-98-14X 57S-98-14X 57S-98-14X 57S-98-14X 57S-98-15X 57D-98-02X 57D-98-02X 57D-98-02X 57D-98-02X
Test Name	12004 12004	48 FB 48 FB
IRDMIS Method Code	10000000000000000000000000000000000000	LM19 LM19 LM19 LM19 LM19 LM19
or Method Description	VOLATILES/SOIL/GGNS VOLATILES/SOIL/GGNS	VOLATILES/SOIL/GCMS VOLATILES/SOIL/GCMS VOLATILES/SOIL/GCMS VOLATILES/SOIL/GCMS VOLATILES/SOIL/GCMS VOLATILES/SOIL/GCMS VOLATILES/SOIL/GCMS VOLATILES/SOIL/GCMS VOLATILES/SOIL/GCMS VOLATILES/SOIL/GCMS VOLATILES/SOIL/GCMS
Contractor	ABB-ES ABB-ES	ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES

VOLATILE SURROGATE RESULTS FT. DEVENS AOC 57

Percent Recovery	74.0 76.0 76.0 76.0 76.0 88.0 88.0 88.0 74.0 74.0	72.0 72.0 72.0 72.0 72.0 74.0 74.0 74.0 74.0 76.0 76.0 76.0 76.0
Value Unit	. 037 UGG . 038 UGG . 037 UGG . 037 UGG . 045 UGG . 047 UGG . 047 UGG . 047 UGG . 047 UGG . 047 UGG	.056 UGG .052 UGG .053 UGG .053 UGG .053 UGG .054 UGG .057 UGG .057 UGG .055 UGG .055 UGG
Spike Value	ខុខខុខខុខខុខខុខខុខ	ខមុខខុខខុខខុខខុខខុខខុខខុខខុខ
Sample Analysis Jate Date	21-MAY-98 29-MAY-98 21-MAY-98 22-MAY-98 21-MAY-98 29-MAY-98 21-MAY-98 29-MAY-98 19-MAY-98 29-MAY-98 29-MAY-98 29-MAY-98 28-MAY-98	19-MAY-98 28-MAY-98 20-MAY-98 20-MAY-98 28-MAY-98 20-MAY-98 28-MAY-98 20-MAY-98
Sampl Lot Date	760L 760L 760L 760L 760L 760L 760L 760L	X60L X60L X60L X60L X60L X60L X60L X60L
Lab Number	ADV15*19 ADV15*20 ADV15*20 ADV15*21 LADV15*2 LADV15*3 LADV15*4 LADV15*5 LADV15*5 LADV15*5 LADV15*7 LADV15*8 LADV15*8	ADV15*10 ADV15*12 ADV15*12 ADV15*12 ADV15*13 ADV15*15 ADV15*14 ADV15*17 ADV15*27 LADV15*2 LADV15*3 LADV15*3 LADV15*5
IRDMIS Field IRDMIS Sample Site ID Number	570-98-05X DX570500 570-98-06X DX570600 570-98-07X DX570700 575-98-07X SD570700 575-98-07X SS570200 575-98-03X SX570200 575-98-03X SX570302 575-98-05X SX570401 575-98-05X SX570601 575-98-05X SX570700 575-98-07X SX5707001 575-98-07X SX5707001 575-98-07X SX5707001	57S-98-09X SX570900 57S-98-14X SX571401 57S-98-14X SX571401 57S-98-14X SX571401 57S-98-14X SX571401 57S-98-14X SX571401 57D-98-15X SX571503 57D-98-03X DX570300 57D-98-03X DX570300 57D-98-03X DX570300 57D-98-03X DX570300 57D-98-03X SX570300 57S-98-07X SX570300 57S-98-07X SX570301 57S-98-07X SX570301 57S-98-07X SX570302 57S-98-03X SX570302 57S-98-03X SX570302 57S-98-03X SX570303
IRDI	* * *	
Test Name	48FB 48FB 48FB 48FB 48FB 48FB 48FB 48FB	MECCOB MECOB MECOB MECCOB MECCOB MECCOB MECCOB MECCOB MECCOB MECCOB MECCOB MECO
IRDMIS Method Code	HERMAN MARKET STATES OF THE ST	MH
or Method Description	VOLATILES/SOIL/GGNS VOLATILES/SOIL/GGNS VOLATILES/SOIL/GGNS VOLATILES/SOIL/GGNS VOLATILES/SOIL/GGNS VOLATILES/SOIL/GGNS VOLATILES/SOIL/GGNS VOLATILES/SOIL/GGNS VOLATILES/SOIL/GGNS VOLATILES/SOIL/GGNS VOLATILES/SOIL/GGNS VOLATILES/SOIL/GGNS VOLATILES/SOIL/GGNS VOLATILES/SOIL/GGNS VOLATILES/SOIL/GGNS VOLATILES/SOIL/GGNS VOLATILES/SOIL/GGNS VOLATILES/SOIL/GGNS	VOLATILES/SOIL/GCMS VOLATILES/SOIL/GCMS
Contractor	ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES	ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES

VOLATILE SURROGATE RESULTS FT. DEVENS AOC 57

Percent	124.0 114.0 124.0 116.0 117.3 98.0	102.0 102.0 108.0 108.0 108.0 108.0 108.0 108.0 108.0 108.0 108.0 108.0 108.0 108.0 108.0 108.0 108.0 108.0 108.0	98.0 98.0 92.0
e Unit	2 UGG 2 UGG 3 UGG 8 UGG	%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%	48 UGL 50 UGL 49 UGL 50 UGL 50 UGL
Value	.062 .057 .058 .058	សំលស់លស់លស់លស់សំសំសំសំសំសំសំសំសំសំសំសំសំ	4W44W
e e		222222222222222222	20022
Spike Value			
sis	28-MAY-98 28-MAY-98 28-MAY-98 28-MAY-98 28-MAY-98	86-NOT - 88-NOT	03-JUN-98 03-JUN-98 03-JUN-98 03-JUN-98
	8 28-MAY-98 8 28-MAY-98 8 28-MAY-98 8 28-MAY-98	\$\frac{1}{2} \frac{1}{2} \frac	3 33-4 3 33-4 3 33-4 3 33-4
Sample Date	19-MAY-98 19-MAY-98 19-MAY-98 19-MAY-98	21-MAY-98 21-MAY-98 21-MAY-98 21-MAY-98 21-MAY-98 26-MAY-98 27-MAY-98 27-MAY-98 27-MAY-98 27-MAY-98 27-MAY-98 27-MAY-98 27-MAY-98 27-MAY-98 27-MAY-98 21-MAY-98 21-MAY-98	21-MAY-98 21-MAY-98 21-MAY-98 21-MAY-98 21-MAY-98
	760L 15 760L 17 760L 17 760L 18	66666666666666666666666666666666666666	X X X X X X X X X X X X X X X X X X X
ab Umber		ADV11#11 ADV11#13 ADV11#15 ADV11#22 ADV11#24 ADV11#26 ADV11#26 ADV11#26 ADV11#26 ADV11#30 LADV11#31 LADV11#31 LADV11#31 LADV11#31 LADV11#33 LADV11#33 LADV11#33	4DV1W*11 4DV1W*13 4DV1W*15 4DV1W*17 4DV1W*19
Lab	!		
IRDMIS Field Sample Number	\$\$570601 \$\$570700 \$\$570701 \$\$570800	WX570500 WX570600 WX570700 WX570800 TBK98002 WX5702XX WX5711XX WX5711XX WX5711XX WX5711XX WX5711XX WX570100 WX570200 WX570200 WX570200	WX570500 WX570600 WX570700 WX570800 TBK98002
S CI	575-98-0X 578-98-0X 578-98-0X 578-98-0X 578-98-08X	574-98-05X 574-98-05X 574-98-07X 578-98-03X 18K-98-03X 577-98-03X 578-98-01X 578-98-01X 578-98-01X 578-98-01X 578-98-01X 578-98-01X 578-98-01X 578-98-01X	574-98-05X 574-98-06X 574-98-07X 574-98-08X TBK-98-02X
IRDMIS Site ID	578-9 578-9 578-9 578-9 578-9	•	574-9 574-9 574-9 574-9 18K-9
est	MEC6D8 MEC6D8 MEC6D8 MEC6D8 MEC6D8 MEC4D8 MEC6D8 ME	12004 12004	***
F-2	MECC MECC MECC MECC ****	1200 1200 1200 1200 1200 1200 1200 1200	48 FB 48 FB 48 FB 48 FB 48 FB 48 FB 48 FB 48 FB 48 FB
IRDMIS Method Code	LM19 LM19 LM19 LM19	UM20 UM20 UM20 UM20 UM20 UM20 UM20 UM20	UM20 UM20 UM20 UM20
_	និសិសិ	Z	W W W W W W W W W W W W W W W W W W W
Method Description	VOLATILES/SOIL/GCMS VOLATILES/SOIL/GCMS VOLATILES/SOIL/GCMS	VOLATILES/WATER/GCMS VOLATILES/WATER/GCMS	VOLATILES/WATER/GGMS VOLATILES/WATER/GGMS VOLATILES/WATER/GGMS VOLATILES/WATER/GGMS
d Desc	VOLATILES/SOIL/G VOLATILES/SOIL/G VOLATILES/SOIL/G VOLATILES/SOIL/G	######################################	ILES/W ILES/W ILES/W ILES/W ILES/W
. Metho		VOLAT VOLAT VOLAT VOLAT VOLAT VOLAT VOLAT VOLAT VOLAT	VOLAT VOLAT VOLAT VOLAT
Contractor	ដូននិង	ស់ សំ សំ សំ សំ សំ សំ សំ សំ សំ សំ សំ សំ សំ 	ស់សំស៉ស់ ស៊
Con	ABB-ES ABB-ES ABB-ES ABB-ES	ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES	ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES

VOLATILE SURROGATE RESULTS FT. DEVENS AOC 57

Percent Recovery	96.0 98.0 102.0	100.0	0.86	0.70	98.0	102.0 102.0	100.0	102.0	98.9 92.0 102.0	98.0	100.0	92.0	98.0	100.0	102.0	98.0	98.0	102.0 0.20	102.0	106.0	102.0	102.0	104-0	
Value Unit	48 UGL 49 UGL 51 UGL									49 UGL 50 UGL		46 UGL								_				
Spike Value	2020	20	200	202	20	22	22.22	20		00.00	20	50	25	20	20	22	20	200	22	20	20	20	5 5	?
Analysis Date	8 03-JUN-98 8 03-JUN-98 8 03-JUN-98	8 03-JUN-98	8 03-JUN-98	8 03-JUN-98	8 03-JUN-98		8 03-JUN-98			8 03-JUN-98	8 03-JUN-98	8 03-JUN-98	8 03-JUN-98	8 03-JUN-98	8 03-JUN-98	8 03-JUN-98	8 03-JUN-98	8 03-JUN-98	8 03-JUN-98	8 03-JUN-98	8 03-JUN-98			, ,
Sample Date	V 26-MAY-98 V 26-MAY-98 V 26-MAY-98		V 27-MAY-9	V 27-MAY-92 V 27-MAY-92	V 20-MAY-98		V 21-MAY-98			V 21-MAY-98	V 21-MAY-98	/ 21-MAY-98	7 26-MAY-98	V 26-MAY-98	7 26-MAY-98	V 27-MAY-98	V 27-MAY-98		V 20-MAY-98				V 21-MAT-90	-
Lot	25 8 65 25 8 66 24 8 66 25 8 66	26 XD GV	26 X 85	28 X0 65 X0	5 5 5	\$ \$ \$ \$ \$ \$ \$ \$ \$	*5 XDGV	79 XDGV					2 S S S S S S S S S S S S S S S S S S S			\$ \$ \$ \$ \$ \$ \$ \$	26 XDGV	28 X S S S S S S S S S S S S S S S S S S	2.5 2.5 2.5 3.5 5.5 5.5 5.5 5.5 5.5 5.5 5.5 5.5 5	*2 XDGV			300	
Lab Number	ADV1W*20 ADV1W*22 ADV1W*24	ADV1W*26	ADV1W*26	ADV14	LADV1W	₹ 2 2 2 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	LADV1W*5	LADV1W*9		ADV1W*11	ADV114*15	ADV1W*17	ADV114*20	ADV1W*22	ADV11#24	ADV1W*26	ADV1W*26	ADV144	LADV1W*1	LADV1W*2	- NOV1	LADV1W*5	LADVIW	}
IRDMIS Field Sample Number		MX5711XX		MD5711XX TRK98003		SBK98001 WX570100		WX570400		WX570500		_5 r	MX5702XX			MX5711XX		MD5711XX			_		MX5/0500	-
IRDMIS Site ID	57P-98-02X 57P-98-03X 57P-98-04X	57M-96-11X 57M-96-11X	57M-96-11X	57M-96-11X TRK-98-03X	TBK-98-001	SBK-98-001 574-98-01X	574-98-02X	57W-98-04X		574-98-05X	57V-98-07X	57W-98-08X	57P-98-02X	57P-98-03X	57P-98-04X	57M-96-11X	57M-96-11X	57M-96-11X	TBK-98-034	SBK-98-001	57W-98-01X		XYM-88-05X	10K-M/C
Test Name	48F8 48F8 48F8	48FB 48EB	48FB	48FB	48F8	48F8 48F8	48FB	48FB *******	avg minimum maximum	MEC608	MEC608	MEC608	MEC608	MEC608	MEC.608	MEC608	MEC6D8	MEC608	MFC/COS	MEC608	MEC608	MEC6D8	MECGOS	******
IRDMIS Method Code	UM20 UM20 UM20	UM20	OW20	UM20	OW20	UM20 UM20	UM20	UMZO		UM20	UM20	UM20	0.4 1.4 1.4 1.4 1.4 1.4 1.4 1.4 1.4 1.4 1	UM20	UM20	07W50	UMZO	04 120 130		OWS OWS	UMZO	UMZO	OWZO	りが出り
Contractor Method Description	VOLATILES/WATER/GCMS VOLATILES/WATER/GCMS VOLATILES/WATER/GCMS	VOLATILES/WATER/GCMS	VOLATILES/WATER/GCMS	VOLATILES/WATER/GCMS	VOLATILES/WATER/GCMS	VOLATILES/WATER/GCMS	VOLATILES/WATER/GCMS	VOLATILES/WATER/GCMS		VOLATILES/WATER/GCMS	VOLATILES/WATER/GCMS	VOLATILES/WATER/GCMS	VOLATILES/WATER/GCMS	VOLATILES/WATER/GCMS	VOLATILES/WATER/GCMS	VOLATILES/WATER/GCMS VOLATILES/WATER/GCMS	VOLATILES/WATER/GCMS	VOLATILES/WATER/GCMS	VOLATTIES/WATEK/GCMS	VOLAT I LES/WATER/GCMS	VOLATILES/WATER/GCMS	VOLATILES/WATER/GCMS	VOLATILES/WATER/GCMS	VULAI ILES/WAIEK/ GLMS
Contract	ABB-ES ABB-ES ABB-ES	ABB-ES	ABB-ES	ABB-ES	ABB-ES	ABB-ES	ABB-ES	ABB-ES		ABB-ES	ABB-ES	ABB-ES	ABB-ES	ABB-ES	ABB-ES	ABB-ES	ABB-ES	ABB-ES	ABB-ES	ABB-ES	ABB-ES	ABB-ES	ABB-ES	ABB-ES

VOLATILE SURROGATE RESULTS FT. DEVENS AOC 57

Percent Recovery	100.1 92.0 106.0
Value Unit	
Valu	
Spike Value	
IRDMIS Field Sample Analysis Spike Percent Percent Number Lot Date Date Value Unit Recovery	
Sample Date	
Ę	
Lab Number	
IRDMIS Field Sample Number	,
IRDMIS Site ID	
Test Name	avg minimum maximum
Contractor Method Description	

TABLE D-6
SEMIVOLATILE SURROGATE RESULTS
FT. DEVENS AOC 57

Percent Recovery	28.5 101.5 95.5 2.6	888.3.3.3.3.3.3.3.3.3.3.3.3.3.3.3.3.3.3	9255 8925 8925 8955 8955	86.6 88.1 88.1 88.1 80.6 76.1 76.1 98.5 44.8 44.8	7,2% 8,2% 8,2% 6,0% 6,0% 6,0% 6,0% 6,0% 6,0% 6,0% 6,0
Unit R			6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6		2 UGG 1 UGG 1 UGG 1 UGG 8 UGG 5 UGG 5 UGG 5 UGG
Value	0.00 0.00 0.00 0.00	വസസ സ വഗ്ഗത്ഗേ	૧૫૧૦ ૧૫ ૧૫૧૦	ოოო ფია4-გ	พฤพฤตตุลตุล ต่อนคลักเล่า
Spike Value	6.7.			, , , , , , , , , , , , , , , , , , ,	имимимими имимимими имимимимими
Analysis Date	29-MAY-98 29-MAY-98 29-MAY-98 29-MAY-98	29-MAY-98 16-JUN-98 16-JUN-98 16-JUN-98 16-JUN-98	16- JUN-98 17- JUN-98 29- MAY-98 28- MAY-98 28- MAY-98 28- MAY-98	28-MAY-98 28-MAY-98 28-MAY-98 28-MAY-98 28-MAY-98 29-MAY-98	29-MAY-98 29-MAY-98 29-MAY-98 29-MAY-98 29-MAY-98 16-JUN-98 16-JUN-98 16-JUN-98
Sample Date	19-MAY-98 20-MAY-98 20-MAY-98 20-MAY-98				19-MAY-98 20-MAY-98 20-MAY-98 20-MAY-98 20-MAY-98 21-MAY-98 21-MAY-98
Lot		2 0 E Y L			2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
Lab Number	ADV15*10 ADV15*11 ADV15*12 ADV15*12	ADV15*12 ADV15*14 ADV15*14 ADV15*15 ADV15*17	ADV15*19 ADV15*20 ADV15*21 ADV15*21 LADV15*31 LADV15*31	LADVIS*4 LADVIS*5 LADVIS*7 LADVIS*3 LADVIS*8 LADVIS*8	ADV15*10 ADV15*12 ADV15*12 ADV15*13 ADV15*14 ADV15*14 ADV15*15 ADV15*15 ADV15*15 ADV15*15
IRDMIS Field Sample Number		8X571401 8X571503 8X570200 8X570200 8X570400			SX570900 SX571301 SX571401 SX571401 SX571401 SX571502 DX570200 DX570200 DX570300
IRDMIS Site ID	578-98-09X 578-98-13X 578-98-14X 578-98-14X	578-98-15X 578-98-01X 578-98-01X 578-98-02X 578-98-03X	570-98-06X 570-98-08X 570-98-07X 575-98-07X 575-98-02X 575-98-02X		578-98-09X 578-98-14X 578-98-14X 578-98-14X 578-98-14X 570-98-03X 570-98-03X 570-98-03X
Test Name	24618P 24618P 24618P 24618P	24618P 24618P 24618P 24618P 24618P	2461BP 2461BP 2461BP 2461BP 2461BP 2461BP	24618P 24618P 24618P 24618P 24618P 24618P ************************************	2.789 2.789 2.789 2.789 2.789 2.789 2.789 2.789 2.789
IRDMIS Method Code	E E E E E E E E E E E E E E E E E E E		M	LM18 LM18 LM18 LM18 3	LM18 LM18 LM18 LM18 LM18 LM18 LM18
Contractor Method Description		ORGANICS/SOIL/GCMS ORGANICS/SOIL/GCMS ORGANICS/SOIL/GCMS ORGANICS/SOIL/GCMS ORGANICS/SOIL/GCMS ORGANICS/SOIL/GCMS	ORGANICS/SOIL/GCMS ORGANICS/SOIL/GCMS ORGANICS/SOIL/GCMS ORGANICS/SOIL/GCMS ORGANICS/SOIL/GCMS ORGANICS/SOIL/GCMS ORGANICS/SOIL/GCMS ORGANICS/SOIL/GCMS	OKGANICS/SOIL/GCMS ORGANICS/SOIL/GCMS ORGANICS/SOIL/GCMS ORGANICS/SOIL/GCMS ORGANICS/SOIL/GCMS ORGANICS/SOIL/GCMS ORGANICS/SOIL/GCMS	ORGANICS/SOIL/GCMS ORGANICS/SOIL/GCMS ORGANICS/SOIL/GCMS ORGANICS/SOIL/GCMS ORGANICS/SOIL/GCMS ORGANICS/SOIL/GCMS ORGANICS/SOIL/GCMS ORGANICS/SOIL/GCMS ORGANICS/SOIL/GCMS ORGANICS/SOIL/GCMS ORGANICS/SOIL/GCMS ORGANICS/SOIL/GCMS
Contracto	ABB-ES ABB-ES ABB-ES ABB-ES	ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES	ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES	ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES	ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES

SEMIVOLATILE SURROGATE RESULTS FT. DEVENS AOC 57

Percent Recovery	78 81.8 84.8 77.0 97.0 97.0 97.0 97.0 10.0 10.0	28882727272888887888762767 0.3.3.1.1.7.3.1.3.8.8.8.8.8.8.2.2.2.2.2.2.2.2.2.2.2.2.2
Value Unit	2.2 4 466 2.3 4 466 3.2 4 466 3.3 4 466 3.5 6 466 3.5 6 466	6
Spike Value	พพพพพพพพพพพพพพ พพพพพพพพพพพพพพ	~~~~~~~~~~~~~~ \$
Analysis Date	98 16-JUN-98 98 16-JUN-98 98 17-JUN-98 98 29-MAY-98 98 28-MAY-98 98 28-MAY-98 98 28-MAY-98 98 28-MAY-98 98 28-MAY-98 98 28-MAY-98 98 28-MAY-98 98 28-MAY-98	98 29-MAY-98 98 29-MAY-98 98 29-MAY-98 98 29-MAY-98 98 29-MAY-98 98 16-JUN-98 98 16-JUN-98 98 16-JUN-98 98 16-JUN-98 98 16-JUN-98 98 16-JUN-98 98 28-MAY-98 98 28-MAY-98 98 28-MAY-98 98 28-MAY-98
Sample Date	L 21-MAY-98 L 21-MAY-98 L 21-MAY-98 L 19-MAY-98 L 19-MAY-98 L 19-MAY-98 L 19-MAY-98 L 19-MAY-98 L 19-MAY-98	L 19-MAY-98 L 20-MAY-98 L 20-MAY-98 L 20-MAY-98 L 21-MAY-98 L 21-MAY-98 L 21-MAY-98 L 21-MAY-98 L 21-MAY-98 L 21-MAY-98 L 21-MAY-98 L 19-MAY-98 L 19-MAY-98 L 19-MAY-98 L 19-MAY-98 L 19-MAY-98 L 19-MAY-98
Lab Number Lot	800-7-60040060	ADV15*10 OEXL ADV15*11 OEXL ADV15*12 OEXL ADV15*13 OEXL ADV15*14 OEYL ADV15*15 OEYL ADV15*15 OEYL ADV15*19 OEYL ADV15*19 OEYL ADV15*27 OEYL ADV15*27 OEYL ADV15*21 OEYL ADV15*27 OEYL ADV15*27 OEYL ADV15*27 OEYL LADV15*3 OEXL LADV15*3 OEXL LADV15*4 OEXL LADV15*4 OEXL LADV15*4 OEXL LADV15*5 OEXL LADV15*5 OEXL LADV15*5 OEXL LADV15*5 OEXL LADV15*6 OEXL LADV15*7 OEXL LADV15
IRDMIS Field Sample Number	DX570500 C DX570500 C DX570800 C DX570700 C SX570101 C SX570200 C SX570503 C SX570503	\$\$570900 \$\$571301 \$\$571401 \$\$571401 \$\$571401 \$\$571503 \$\$571503 \$\$571503 \$\$571503 \$\$570500 \$\$570500 \$\$570500 \$\$570500 \$\$570500 \$\$570200 \$\$570200 \$\$570200 \$\$570200 \$\$570200 \$\$570200 \$\$570200 \$\$570200 \$\$570200 \$\$570200 \$\$570200 \$\$570200 \$\$570200
IRDMIS Site ID	570-98-08. 570-98-08. 570-98-08. 570-98-08. 578-98-07. 578-98-02. 578-98-03. 578-98-03. 578-98-03. 578-98-03.	575-98-09X 575-98-14X 575-98-14X 575-98-14X 570-98-01X 570-98-02X 570-98-02X 570-98-02X 570-98-02X 570-98-02X 570-98-02X 570-98-02X 575-98-07X 575-98-07X 575-98-07X 575-98-07X 575-98-07X 575-98-07X 575-98-07X 575-98-07X
Test Name	2FBP 2FBP 2FBP 2FBP 2FBP 2FBP 2FBP 2FBP	\$
IRDMIS Method Code		
Contractor Method Description	ORGANICS/SOIL/GCMS ORGANICS/SOIL/GCMS ORGANICS/SOIL/GCMS ORGANICS/SOIL/GCMS ORGANICS/SOIL/GCMS ORGANICS/SOIL/GCMS ORGANICS/SOIL/GCMS ORGANICS/SOIL/GCMS ORGANICS/SOIL/GCMS ORGANICS/SOIL/GCMS ORGANICS/SOIL/GCMS ORGANICS/SOIL/GCMS ORGANICS/SOIL/GCMS ORGANICS/SOIL/GCMS ORGANICS/SOIL/GCMS ORGANICS/SOIL/GCMS ORGANICS/SOIL/GCMS ORGANICS/SOIL/GCMS ORGANICS/SOIL/GCMS ORGANICS/SOIL/GCMS	ORGANICS/SOIL/GCMS ORGANICS/SOIL/GCMS
Contract	ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES	ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES

TABLE D-6

SEMIVOLATILE SURROGATE RESULTS FT. DEVENS AOC 57

Percent Recovery	91.0 85.1 89.6 97.0	83.0 41.8 101.5	93.9 84.8	81.8 78.8	78.8	3 K	78.8	ς k x α	8. 8. 8.	78.8		0 7 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	. % . %	93.9	6.06	\$ 6	\$ 6	۶. ۲. «	87.9	93.9	81.2 39.4 93.9	98.5
Value Unit			3.1 UGG 2.8 UGG	2.7 UGG 2.6 UGG		2.2 UGG 2.5 UGG												2 00GG				950 9.6
Spike Value	6.7 6.7 6.7 6.7		ນ ນັ້ນ	សស	i Mi	7, 7, 7, 7,	M.	7. 7.7	้น	3.3	23	0 0 0 0	און מין	3.3	3.3	2,1	4.5	יי פיי	ָא מיי	3.3		6.7
ple Analysis e Date	19-MAY-98 28-MAY-98 19-MAY-98 28-MAY-98 19-MAY-98 28-MAY-98 19-MAY-98 29-MAY-98		19-MAY-98 29-MAY-98 20-MAY-98 29-MAY-98			20-MAY-98 29-MAY-98 21-MAY-98 16-111N-98		21-MAY-98 16-JUN-98			21-MAY-98 17-JUN-98	21-MAY-98 1/-JUN-98 10-MAY-08 20-MAY-08		19-MAY-98 28-MAY-98	9-MAY-98 28-MAY-98	19-MAY-98 28-MAY-98	19-MAY-98 28-MAY-98	19-MAY-98 28-MAY-98				ADV15*10 OEXL 19-MAY-98 29-MAY-98
Sample Lot Date	OEXL 19-1 OEXL 19-1 OEXL 19-1 OEXL 19-1		OEXL 19-1 OEXL 20-1			OEXT 20-1		OEYL 21-1				ביין קלו סביין קלו סביין	•	•	_	•	٠,	ביים ליים ביים ליים ביים ליים ביים	- (-			EXL 19-1
_	LADV15**6 0 LADV15*7 0 LADV15*8 0 LADV15*9 0	·	ADV15*10 0 ADV15*11 0		_	ADV1S*13 0		ADV1S*16 0			ADV15*20 0	ADV1S*21 0	1 ADV15*1 O				LADV1S*5 O	LADV1S*6 0		_		ADV15*10 O
IRDMIS Field Sample Number	x sx570601 x sx570700 x sx570701 x sx570800		x sx570900 x sx571301			x SX571503 x px570100	X DX570200	X DX570300	x DX570400 x DX570500	X DX570600	X DX570700	X DX5/0800						X SX5/0601				57S-98-09X SX570900
IRDMIS Site ID	578-98-06X 578-98-07X 578-98-07X 578-98-08X		57S-98-09X 57S-98-13X	575-98-14X	575-98-14X	57S-98-15X 570-98-01X	570-88-02	57-98-03 57-98-03	570-98-04X	57-88-05	570-98-07	57-98-02	575-98-01	57s-98-02	57s-98-03	57s-98-04	57s-98-05	57S-98-06X	575-08-077	57s-98-08X		57s-98-09
Test Name	2FP 2FP 2FP 2FP ******	avg minimum maximum	NBD5 NBD5	NBD5		NBD5 NRD5												NBD5		****	avg minimum maximum	PHEND6
IRDMIS Method Code	LM18 LM18 LM18		LM18	EM18	F 19	LM18	M18	LM18	M 3	LM 18	LM18	[M]3	2 Z	Z Z Z	LM18	LM18	LM18	E 438	[R]	LM18		LM18
	ORGANICS/SOIL/GCMS ORGANICS/SOIL/GCMS ORGANICS/SOIL/GCMS ORGANICS/SOIL/GCMS		ORGANICS/SOIL/GCMS	ORGANICS/SOIL/GCMS	ORGANICS/SOIL/GCMS	ORGANICS/SOIL/GCMS	ORGANICS/SOIL/GCMS	ORGANICS/SOIL/GCMS	ORGANICS/SOIL/GCMS	ORGANICS/SOIL/GCMS	ORGANICS/SOIL/GCMS	ORGANICS/SOIL/GCMS	ORGANICS/SOIL/GEMS	ORGANICS/SOIL/GCRS	ORGANICS/SOIL/GCMS	ORGANICS/SOIL/GCMS	ORGANICS/SOIL/GCMS	ORGANICS/SOIL/GCMS	ORGANICS/SOIL/GCMS	ORGANICS/SOIL/GCMS	·	ORGANICS/SOIL/GCMS
Contractor	ABB-ES ABB-ES ABB-ES ABB-ES		ABB-ES	ABB-ES	ABB-ES	ABB-ES	ABB-ES	ABB-ES	ABB-ES	ABB-ES	ABB-ES	ABB-ES	ABB-ES	ABB-ES	ABB-ES	ABB-ES	ABB-ES	ABB-ES	ABB-ES	ABB-ES		ABB-ES

SEMIVOLATILE SURROGATE RESULTS FT. DEVENS AOC 57

Percent Recovery	2%8868888888884866288888826 0.3.1.3.1.3.1.3.1.3.1.3.1.3.1.3.1.3.1.3.	97.0 176.1 105.0 105.0 100.0 100.0 100.0
Value Unit	6.1 UGG 6.2 UGG 6.2 UGG 6.2 UGG 6.2 UGG	3.2 UGG 3.5 UGG 3.5 UGG 3.2 UGG 3.4 UGG 3.3 UGG 3.3 UGG 5.1 UGG
Spike Value	00000000000000000000000000000000000000	имимимими имимимимими имимимимимимимими
Analysis Date	8 29-MAY-98 8 29-MAY-98 8 29-MAY-98 8 29-MAY-98 8 29-MAY-98 8 16-JUN-98 8 16-JUN-98 8 16-JUN-98 8 16-JUN-98 8 16-JUN-98 8 29-MAY-98 8 29-MAY-98 8 28-MAY-98 8 28-MAY-98 8 28-MAY-98 8 28-MAY-98 8 28-MAY-98 8 28-MAY-98 8 28-MAY-98 8 28-MAY-98	8 29-MAY-98 8 29-MAY-98 8 29-MAY-98 8 29-MAY-98 8 29-MAY-98 8 16-JUN-98 8 16-JUN-98 8 16-JUN-98
Sample Date	20-MAY - 98 20-MAY - 98 20-MAY - 98 20-MAY - 98 21-MAY - 98 19-MAY - 98 19-MAY - 98 19-MAY - 98 19-MAY - 98	19-MAY -98 20-MAY -98 20-MAY -98 20-MAY -98 20-MAY -98 21-MAY -98 21-MAY -98 21-MAY -98 21-MAY -98
Ę		
Lab Number	ADV15*11 ADV15*12 ADV15*12 ADV15*14 ADV15*15 ADV15*16 ADV15*19 ADV15*20 ADV15*21 LADV15*2 LADV15*3 LADV15*3 LADV15*4 LADV15*8 LADV15*8 LADV15*8 LADV15*8	ADV15*10 ADV15*12 ADV15*12 ADV15*13 ADV15*14 ADV15*15 ADV15*16 ADV15*16 ADV15*16
IRDMIS Field Sample Number	\$X571301 \$X571401 \$X571401 \$X571401 \$X571401 \$X570200 \$X570200 \$X570200 \$X570200 \$X570200 \$X570200 \$X570200 \$X570200 \$X570200 \$X570200 \$X570200 \$X570200 \$X570200 \$X570200 \$X570200	SX570900 SX571401 SX571401 SX571401 SX571401 SX570100 DX570200 DX570200 DX570200 DX570200
IRDMIS Site ID	575-98-13X 578-98-14X 578-98-14X 578-98-14X 578-98-15X 570-98-03X 570-98-05X 570-98-05X 570-98-05X 570-98-07X 570-98-07X 570-98-07X 570-98-07X 570-98-07X 570-98-07X 570-98-07X 570-98-07X 570-98-07X 570-98-07X 570-98-07X 570-98-07X 570-98-07X 570-98-07X 570-98-07X 570-98-07X 570-98-07X 570-98-07X 570-98-07X	578-98-09X 578-98-13X 578-98-14X 578-98-14X 578-98-15X 570-98-01X 570-98-02X 570-98-02X 570-98-03X 570-98-03X
Test Name	PHENDS PH	TRP014 TRP014 TRP014 TRP014 TRP014 TRP014 TRP014 TRP014 TRP014 TRP014 TRP014 TRP014
IRDMIS Method Code	MM	LM18 LM18 LM18 LM18 LM18 LM18 LM18 LM18
contractor Method Description	ORGANICS/SOIL/GCMS ORGANICS/SOIL/GCMS	ORGANICS/SOIL/GCMS ORGANICS/SOIL/GCMS ORGANICS/SOIL/GCMS ORGANICS/SOIL/GCMS ORGANICS/SOIL/GCMS ORGANICS/SOIL/GCMS ORGANICS/SOIL/GCMS ORGANICS/SOIL/GCMS ORGANICS/SOIL/GCMS ORGANICS/SOIL/GCMS ORGANICS/SOIL/GCMS ORGANICS/SOIL/GCMS ORGANICS/SOIL/GCMS ORGANICS/SOIL/GCMS
Contract	ABB - ES ABB	ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES

TABLE D-6
SEMIVOLATILE SURROGATE RESULTS
FT. DEVENS ACC 57

Percent Recovery	103.0	45.5	20.70	100.0	100-0	03.0	87.9	97.0	6 %	45.5		92.0	82.0	888	7.0	60.09	51.0	0.64	88	91.0	83.0	0.4%	6.47	49.0 92.0	76.0
Value Unit	3.4 UGG 3.5 UGG 3.7 UGG			3.2 UGG				2.8 UGG 3.2 UGG				92 UGL	85 GEF												38 UGL
Spike Value	พพพ พพพ	ម្តីស្ត	2,2 2,5	, w.	หูห	ง ง ง	ម្ដែ	3.3 3.3			•	9,50	38	90	25	38	9	<u>6</u>	35	<u>.</u>	100	9			20
e Analysis Date	7-98 16-JUN-98 Y-98 17-JUN-98 Y-08 17-JUN-98	Y-98 29-MAY-98	Y-98 28-MAY-98 V-08 28-MAY-08	19-MAY-98 28-MAY-98	Y-98 28-MAY-98	7-98 28-MAY-98 7-08 28-MAY-08	19-MAY-98 28-MAY-98	9-MAY-98 28-MAY-98 9-MAY-98 29-MAY-98						Y-98 16-JUN-98	Y-98 16-JUN-98	7-98 16-JUN-98	Y-98 16-JUN-98	Y-98 16-JUN-98	Y-98 16-JUN-98 V-08 15- IIIN-98	Y-98 15-1UN-98		Y-98 15-JUN-98			ADV14*11 WDHO 21-MAY-98 15-JUN-98
٠. ــ	DEYL 21-MAY-98 DEYL 21-MAY-98 DEYL 21-MAY-98	-				OEXL 19-MAY-98		OEXL 19-MAY-98 OEXL 19-MAY-98					MDHO 21-MAY-98 MDHO 21-MAY-98	MDIO 26-MAY-98	WDIO 26-MAY-98	MDIO 27-MAY-98	WDIO 27-MAY-98	WDIO 27-MAY-98	WDIO 27-MAY-98			WDHO 21-MAY-98			HO 21-MA
_	ADV15*19 OF ADV15*20 OF					LADVIS*5 OF	LADV15*7 OF	LADV1S*8 OF LADV1S*9 OF		٠.			ADV1W*15 WE ADV1W*17 WE			ADV1W*24 W				1 ADV1U*5 VE		LADV1W*9 W			ADV1W*11 WE
IRDMIS Field Sample Number	DX570600 DX570700					SX5/0503		sx570701 sx570800				WX570500	WX570800	MX5702XX		MX5711XX			MD5711XX	SBK 90001	WX570300	WX570400			WX570500
IRDMIS Site ID	570-98-06X	57S-98-07X	57S-98-01X	57S-98-03X	57s-98-04X	57S-98-05X	57S-98-07X	57s-98-07X 57s-98-08X				57W-98-05X	574-98-07X	57P-98-02X	57P-98-03X	574-96-04X	57M-96-11X	57M-96-11X	57M-96-11X	574-08-001	574-98-03X	574-98-04X			57W-98-05X WX570500
Test Name	TRP014 TRP014	TRPD14	TRPD14	1870 T	TRPD14	TRPD14	TRP014	TRP014 TRP014	avg	minimum maximum		246TBP	246TBP 246TBP	246TBP	246TBP	2461BP 246TBP	246TBP	246TBP	246TBP	2461BP	246TBP	246TBP *******	avg	minimum maximum	2FBP
IRDMIS Method Code	LM18	LM 18	LM18	LM18	LM18	LM18	LM 18	LM18				UM18	UM18	UM 18	UM 18	M 18	E 8	UM18	CM 38	N 2	UM 18	UM18			UM18
Contractor Method Description	ORGANICS/SOIL/GCMS ORGANICS/SOIL/GCMS	ORGANICS/SOIL/GCMS ORGANICS/SOIL/GCMS	ORGANICS/SOIL/GCMS	ORGANICS/SOIL/GCMS	ORGANICS/SOIL/GCMS	ORGANICS/SOIL/GCMS	ORGANICS/SOIL/GCMS ORGANICS/SOIL/GCMS	ORGANICS/SOIL/GCMS ORGANICS/SOIL/GCMS				ORGANICS/WATER/GCMS	ORGANICS/WATER/GCMS	ORGANICS/WATER/GCMS	ORGANICS/WATER/GCMS	ORGANICS/WATER/GCMS	ORGANICS/WATER/GCMS	ORGANICS/WATER/GCMS	ORGANICS/WATER/GCMS	ORGANICS/WATER/GCMS	ORGANICS/WATER/GCMS ORGANICS/WATER/GCMS	ORGANICS/WATER/GCMS			ORGANICS/WATER/GCMS
Contracto	ABB-ES ABB-ES	ABB-ES ABB-ES	ABB-ES	ABB-ES	ABB-ES	ABB-ES	ABB-ES ABB-ES	ABB-ES ABB-ES				ABB-ES	ABB-ES	ABB-ES	ABB-ES	ABB-ES	ABB-ES	ABB-ES	ABB-ES	ABB-ES	ABB-ES	ABB-ES			ABB-ES

SEMIVOLATILE SURROGATE RESULTS FT. DEVENS AOC 57

Percent Recovery	44.0 58.0 78.0	7.0 20.0	82.0	2.0	78.0	80.0	28.0	65.7 28.0 82.0	22.0	61.0	53.0	17.0	17.0	17.0	17.0	0.99	76.0	63.0	0.00	45.1 17.0 76.0	22.0
Value Unit	22 VGL 29 VGL 39 VGL	37 UGL 35 UGL							72 VGL	61 UGE 61 UGE		17 UGL 17 UGL									11 VGL 23 VGL
Spike Value	2020	2 22	25	22	20	25	20		100	38	100	9,6	100	900	35	9	100	9	2		50
Analysis Date		8 16-JUN-98 8 16-JUN-98		8 16-JUN-98			8 15-JUN-98 8 15-JUN-98			8 15-JUN-98 8 16-JUN-98		8 16-JUN-98	•	•	5 16-JUN-98		8 15-JUN-98		84-NUL-CI 8		8 15-JUN-98 8 15-JUN-98
Sample t Date	MDHO 21-MAY-98 MDHO 21-MAY-98 MDIO 26-MAY-98	WDIO 26-MAY-98 WDIO 26-MAY-98	10 27-MAY-9	MDIO 27-MAY-98 MDIO 27-MAY-98			WDHO 21-MAY-98 WDHO 21-MAY-98			WDHO 21-MAY-98 WDHO 21-MAY-98		WDIO 26-MAY-99 WDIO 26-MAY-99			WDIO 27-MAY-98 WDIO 27-MAY-98				MUHU ZI-MAT-98		WDHO 21-MAY-98 WDHO 21-MAY-98
Lab Number Lot	ADV14*15 4D ADV14*17 4D ADV14*20 4D	ADV14*22 4D ADV14*24 4D	ADV11#26 ND	ADV 14*26 150 ADV 14*26 150			LADV1W*7 WD LADV1W*9 WD			ADV114*15 14D ADV114*17 14D	-	ADV114*22 150	ADV1W*26 ND	ADV114*26 14D	ADVIN*Z6 ND	-	-		LAUVIW"y NU		ADV1W*11 WD ADV1W*15 WD
IRDMIS Field Sample Number	WX570700 WX570800 WX5702XX	MX5703XX		MX5711XX			WX570300			WX570700		MX5703XX			MX5/11XX		_	_	MX5/0400		. WX570500
IRDMIS Site ID	574-98-07X 574-98-08X 578-98-02X	57P-98-03X 57P-98-04X	57M-96-11X	57M-96-11X	57M-96-11X	SBK-98-001 57W-98-02X	574-98-03X 574-98-04X		574-98-05X	574-98-07X	57P-98-02X	57P-98-03X 579-08-04X	57M-96-11X	57M-96-11X	5/M-96-11X	SBK-98-001	574-98-02X	574-98-03X			574-98-05X 574-98-07X
Test Name	2FBP 2FBP 2FBP	2FBP 2FBP	2FBP	2FBP	2FBP	2FBP 2FBP	2FBP 2FBP ********	avg minimum maximum	ZFP	2FP	2FP	2FP	ZFP	2FP	2FP	2FP	ZFP	ZFP	2FP *******	avg minimum maximum	NBD5 NBD5
IRDMIS Method Code	UM18 UM18 W18	UM18	UM18	UM 18	UM18	UM18	UM18 UM18		UM18	UM18	UM18	M18	E 81	UM18	U₹18	<u> </u>	UM18	UM18	UM18		UM18 81MU
Contractor Method Description	ORGANICS/WATER/GCMS ORGANICS/WATER/GCMS ORGANICS/WATER/GCMS	ORGANICS/WATER/GCMS	ORGANICS/WATER/GCMS	ORGANICS/WATER/GCMS	ORGANICS/WATER/GCMS	ORGANICS/WATER/GCMS ORGANICS/WATER/GCMS	ORGANICS/WATER/GCMS ORGANICS/WATER/GCMS		ORGANICS/WATER/GCMS	ORGANICS/WATER/GCMS	ORGANICS/WATER/GCMS	ORGANICS/WATER/GCMS	ORGANICS/WATER/GCMS	ORGANICS/WATER/GCMS	ORGANICS/WATER/GCMS	ORGANICS/WATER/GCMS	ORGANICS/WATER/GCMS	ORGANICS/WATER/GCMS	ORGANICS/WATER/GCMS		ORGANICS/WATER/GCMS ORGANICS/WATER/GCMS
Contract	ABB-ES ABB-ES ABB-ES	ABB-ES	ABB-ES	ABB-ES	ABB-ES	ABB-ES ABB-ES	ABB-ES ABB-ES		ABB-ES	ABB-ES	ABB-ES	ABB-ES	ABB-ES	ABB-ES	ABB-ES	ABB-ES	ABB-ES	ABB-ES	ABB-ES		ABB-ES ABB-ES

TABLE D-6
SEMIVOLATILE SURROGATE RESULTS
FT. DEVENS ACC 57

INVESTIGATION	
FIELD	
1998 SUPPLEMENTAL	

Percent Recovery	58.0 76.0 76.0 76.0 76.0 76.0 76.0 76.0 76	71.0 43.0 73.0 73.0 75.0 75.0 75.0 75.0 75.0	82.0 58.0 70.0
Value Unit	23 28 28 28 28 28 28 28 28 28 28 28 28 28	27 C C C C C C C C C C C C C C C C C C C	41 UGL 29 UGL 35 UGL
Spike Value	2222222222	56566666666666	222
Analysis Date	28 16-11N-98 28 16-11N-98 28 16-11N-98 28 16-11N-98 28 16-11N-98 28 16-11N-98 28 15-11N-98 28 15-11N-98 28 15-11N-98 28 15-11N-98 28 15-11N-98	28 15-JUN-98 28 15-JUN-98 28 16-JUN-98 28 16-JUN-98 28 16-JUN-98 28 16-JUN-98 28 16-JUN-98 28 16-JUN-98 28 16-JUN-98 28 15-JUN-98 28 15-JUN-98 28 15-JUN-98 28 15-JUN-98	98 15-JUN-98 98 15-JUN-98 98 16-JUN-98
Sample Date	21-MAY-98 26-MAY-98 26-MAY-98 26-MAY-98 27-MAY-98 27-MAY-98 27-MAY-98 21-MAY-98 21-MAY-98 21-MAY-98	21-MAY -98 21-MAY -98 22-MAY -98 26-MAY -98 26-MAY -98 27-MAY -98 27-MAY -98 27-MAY -98 27-MAY -98 21-MAY -98 21-MAY -98 21-MAY -98	21-MAY-98 21-MAY-98 21-MAY-98
Lot		66666666666666666666666666666666666666	유유유 유유유
Lab Number	ADV11#717 ADV11#720 ADV11#724 ADV11#726 ADV11#726 ADV11#728 LADV11#72 LADV11#72 LADV11#72 LADV11#73 LADV11#73	ADV114*11 ADV114*15 ADV114*20 ADV114*22 ADV114*26 ADV114*26 ADV114*26 ADV114*26 ADV114*26 LADV114*3 LADV114*3	ADV1W*11 ADV1W*15 ADV1W*17
IRDMIS Field Sample Number	MX570800 MX5702XX MX5702XX MX5702XX MX5711XX MX5711XX MX5711XX MX5711XX SBK98001 WX570200 WX570400	WX570500 WX570700 WX570200 WX57020X WX5703XX WX5711XX WX5711XX WX5711XX WX5711XX WX570400 WX570200	WX570500 WX570700 WX570800
IRDMIS Site ID	572-98-08 572-98-03 572-98-03 577-98-04 578-96-11 578-96-11 578-96-11 578-96-11 578-96-11 578-98-001 578-98-02 578-98-03	574-98-05X 574-98-07X 574-98-02X 577-98-02X 577-98-04X 577-98-04X 577-98-04 577-98-01 577-98-01 577-98-02X 577-98-02X	574-98-05X 574-98-07X 574-98-08X
Test Name	NBD5 NBD5 NBD5 NBD5 NBD5 NBD5 NBD5 NBD5	PHEND6 PH	TRP014 TRP014 TRP014
IRDMIS Method Code	2	UM UM UM UM UM UM UM UM UM UM UM UM UM U	UM18 UM18 81
contractor Method Description	ORGANICS/WATER/GCMS ORGANICS/WATER/GCMS ORGANICS/WATER/GCMS ORGANICS/WATER/GCMS ORGANICS/WATER/GCMS ORGANICS/WATER/GCMS ORGANICS/WATER/GCMS ORGANICS/WATER/GCMS ORGANICS/WATER/GCMS ORGANICS/WATER/GCMS ORGANICS/WATER/GCMS ORGANICS/WATER/GCMS ORGANICS/WATER/GCMS	ORGANICS/WATER/GCMS ORGANICS/WATER/GCMS ORGANICS/WATER/GCMS ORGANICS/WATER/GCMS ORGANICS/WATER/GCMS ORGANICS/WATER/GCMS ORGANICS/WATER/GCMS ORGANICS/WATER/GCMS ORGANICS/WATER/GCMS ORGANICS/WATER/GCMS ORGANICS/WATER/GCMS ORGANICS/WATER/GCMS ORGANICS/WATER/GCMS ORGANICS/WATER/GCMS ORGANICS/WATER/GCMS ORGANICS/WATER/GCMS	ORGANICS/WATER/GCMS ORGANICS/WATER/GCMS ORGANICS/WATER/GCMS
Contracto	ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES	ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES	ABB-ES ABB-ES ABB-ES

SEMIVOLATILE SURROGATE RESULTS FT. DEVENS AOC 57

Percent Recovery	102.0 96.0	96.0	110.0	2.0	72.0	98.0	94.0	94.0	40.0	38.0		83.9	110.0
Value Unit	51 UGL 48 UGL		55 UGL								•		
Spike Value	2020	20	22	3 2	3	20	22	S	20	20			
Analysis Date	8 16-JUN-98 8 16-JUN-98	8 16-JUN-98	8 16-JUN-98	8 16-JUN-98	8 16-JUN-98	8 16-JUN-98	8 15-JUN-98	8 15-JUN-98	8 15-JUN-98	8 15-JUN-98			
Sample Lot Date	50103 50103	200	25	2 :	2	읖	웊						
Lab Number	ADV1W*20 ADV1W*22	ADV1W*24	ADV1W*26	ADV1W*26	ADV1W~26	ADV1W*28	LADV1W*2	LADV1W*5	LADV1W*7	LADV1W*9			
IRDMIS Field Sample Number	ΣΣ	Σ	\mathbf{z} :		_	~	1 SBK98001	X WX570200	X WX570300	X WX570400			
IRDMIS Site ID	57P-98-02X 57P-98-03X	57P-98-04X	57M-96-11X	5/A-96-11	5/M-96-11	57M-96-11	SBK-98-00	57W-98-02	574-98-03X	574-98-04X	ŧ		
Test Name	TRPD14 TRPD14	TRP014	TRPD14	TRPD14	TRP014	TRP014	TRP014	TRPD14	TRP014	TRPD14	*****	avg	maximum
IRDMIS Method Code	UM18	UM18	UM18	UM18	UMTB	UM18	UM18	UM18	UM18	UM18			
Contractor Method Description	ORGANICS/WATER/GCMS ORGANICS/WATER/GCMS	ORGANICS/WATER/GCMS	ORGANICS/WATER/GCMS	ORGANICS/WATER/GCMS	ORGANICS/WATER/GCMS	ORGANICS/WATER/GCMS	ORGANICS/WATER/GCMS	ORGANICS/WATER/GCMS	ORGANICS/WATER/GCMS	ORGANICS/WATER/GCMS			
Contract	ABB-ES ABB-ES	ABB-ES											

TABLE D-7

PESTICIDE/PCB SURROGATE RESULTS FT. DEVENS AOC 57

יל זיל	8477444884778847788747888888888877777777	73.4 70.9 67.8
Percent Recovery	38.75.74.75.75.75.75.75.75.75.75.75.75.75.75.75.	6226
e Unit		990 090 090 090 090 090 090 090 090 090
Value	0.0252 0.0303 0.	0503 0474 0473 0473
י ישט ישט		~~~
Spike Value	0.0657	.0667 .0667 .0667 .0667
ဖ	; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ;	8888 8
Analysis Date	29-11N-98 29-11N	29-10N-98 29-10N-98 29-10N-98 29-10N-98
	19-may-98 220-may-98 220-may-98 220-may-98 220-may-98 220-may-98 221-may-98 2	14-98 2 14-98 2 14-98 2 14-98 2
Sample Date	20222222222222222222222222222222222222	19-MAY-98 20-MAY-98 20-MAY-98 20-MAY-98
Lot	0	O UFLG 1 UFLG 2 UFLG 2 UFLG
Lab Number	ADV15*10 ADV15*12 ADV15*12 ADV15*12 ADV15*14 ADV15*15 ADV15*15 ADV15*16 ADV15*16 LADV15*2 LADV15*2 LADV15*2 LADV15*2 LADV15*3 LADV15*3 LADV15*3 LADV15*3 LADV15*3 LADV15*3 LADV15*3 LADV15*3 LADV15*3 LADV15*3 LADV15*3 LADV15*3 LADV15*3 LADV15*3 LADV15*3	ADV15*10 (ADV15*11 (ADV15*11 (ADV15*12 (ADV15*
— <u></u>	!	
IRDMIS Field Sample Number		SX570900 SX571301 SX571401 SX571401
sΩ	578-88-15X 578-88-14X 578-88-14X 578-88-14X 578-88-14X 578-88-05X 578-88-05X 578-88-05X 578-88-05X 578-88-05X 578-88-05X 578-88-05X 578-88-05X 578-88-05X 578-88-05X 578-88-05X 578-88-05X 578-88-05X 578-88-05X 578-88-05X	57S-98-09X 57S-98-13X 57S-98-14X 57S-98-14X
IRDMIS Site ID	; 4,4,4,4,4,4,4,4,4,4,4,4,4,4,4,4,4,4,4,	578-9 578-9 578-9 578-9
	108P 1108P	オ オオオ
Test Name	C.108P C.	014XYL 014XYL 014XYL 014XYL
IRDMIS Method Code		LH10 LH10 LH10
120	:	
		/GCEC /GCEC /GCEC
script	PESTICIDES/SOIL/GCEC PESTICIDE	PESTICIDES/SOIL/GCEC PESTICIDES/SOIL/GCEC PESTICIDES/SOIL/GCEC PESTICIDES/SOIL/GCEC
od De		
Contractor Method Description	ESTICAL PESTICAL PEST	PESI PESI PESI PESI
tracto	ABB-ES ABB-ES	និក្ខនិត្ត
Con	488 - C - C - C - C - C - C - C - C - C -	ABB-ES ABB-ES ABB-ES ABB-ES

PESTICIDE/PCB SURROGATE RESULTS FT. DEVENS AOC 57

Percent Recovery	8824667488674886767747477777777777777777	86.5 95.1 89.3 87.4 85.0 90.6
Value Unit	. 0435 UGG . 0535 UGG . 0503 UGG . 0503 UGG . 0504 UGG . 0469 UGG . 0469 UGG . 0459 UGG . 0451 UGG . 0453 UGG . 0453 UGG . 0459 UGG . 0524 UGG . 0524 UGG . 0524 UGG . 0524 UGG . 0524 UGG . 0524 UGG . 0539 UGG . 0539 UGG	.0577 UGG .0634 UGG .0591 UGG .0583 UGG .0459 UGG .0567 UGG
Spike Value	7.986 7.986	.0667 .0667 .0667 .0662 .0667 .0667
Sample Analysis Date Date	20-MAY-98 29-JUN-98 20-MAY-98 29-JUN-98 21-MAY-98 28-JUN-98 21-MAY-98 28-JUN-98 21-MAY-98 28-JUN-98 21-MAY-98 28-JUN-98 21-MAY-98 28-JUN-98 21-MAY-98 29-JUN-98 19-MAY-98 29-JUN-98	19-MAY-98 04-JUN-98 20-MAY-98 04-JUN-98 20-MAY-98 04-JUN-98 20-MAY-98 04-JUN-98 20-MAY-98 04-JUN-98 21-MAY-98 14-JUN-98
S. Lot D.		NGIII NGIII NGIII NGIII NGIII
Lab Number	ADV18*13 ADV18*14 ADV18*15 ADV18*16 ADV18*16 ADV18*18 ADV18*21 ADV18*21 LADV18*2 LADV18*3 LADV18*4 LADV18*4 LADV18*4 LADV18*4 LADV18*8 LADV18*8 LADV18*8	ADV15*10 ADV15*11 ADV15*12 ADV15*12 ADV15*13 ADV15*13
IRDMIS Field Sample Number	14x 8x571401 15x 8x571401 15x 8x571503 10x 8x570300 10x 8x570300 10x 8x570400 10x 8x570500 10x 8x570401 10x 8x570401	09X SX570900 13X SX571301 14X SX571401 14X SX571401 15X SX571503 01X DX570100
IRDMIS Site ID	578-98-14X 578-98-14X 578-98-07X 578-98-07X 578-98-05X 578-98-05X 578-98-05X 578-98-05X 578-98-05X 578-98-05X 578-98-05X 578-98-05X 578-98-05X 578-98-05X 578-98-05X 578-98-05X	578-98-09X 578-98-13X 578-98-14X 578-98-14X 578-98-14X 578-98-15X
Test Name	CL4XYL CL	CL108P CL108P CL108P CL108P CL108P CL108P
IRDMIS Method Code		LH16 LH16 LH16 LH16 LH16
Contractor Method Description	PESTICIDES/SOIL/GCEC PESTICIDE	PESTICIDES/SOIL/GCEC PESTICIDES/SOIL/GCEC PESTICIDES/SOIL/GCEC PESTICIDES/SOIL/GCEC PESTICIDES/SOIL/GCEC PESTICIDES/SOIL/GCEC PESTICIDES/SOIL/GCEC PESTICIDES/SOIL/GCEC
Contract	ABB - CS - CS - CS - CS - CS - CS - CS -	ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES

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			Bit F					
			Value I	0645 0645 0647 0647 0647 0658 06				
			Val	.0649 .0649 .0653 .0584 .0643 .0673 .07777 .0777	.0633 .0604 .0591 .0551 .0551 .0597 .0628 .0621 .0506			
			i					
			. 0 0 1		~~~~~~~			
			Spike Value	0.0657	0667 0667 0667 0667 0667 0667 0667			
			0, _					
			:					
			Šis	14-JUN-98 14-JUN-98 14-JUN-98 14-JUN-98 14-JUN-98 04-JUN-98 04-JUN-98 04-JUN-98 04-JUN-98 04-JUN-98 04-JUN-98 04-JUN-98 04-JUN-98 04-JUN-98 04-JUN-98 04-JUN-98	04-JUN-98 04-JUN-98 04-JUN-98 04-JUN-98 04-JUN-98 14-JUN-98 14-JUN-98 14-JUN-98 14-JUN-98			
			Analysis Date					
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		8	<u>e</u>	11-MAY-98 11-MAY-98 11-MAY-98 11-MAY-98 9-MAY-98 9-MAY-98 9-MAY-98 9-MAY-98 9-MAY-98 9-MAY-98	AA - 9 AA - 9 AA - 9 AA - 9			
	Z.	ATI	Sample Date	21-MAY-98 21-MAY-98 21-MAY-98 21-MAY-98 21-MAY-98 119-MAY-98 119-MAY-98 119-MAY-98 119-MAY-98 119-MAY-98 119-MAY-98 119-MAY-98 119-MAY-98 119-MAY-98 119-MAY-98	19-MAY-98 20-MAY-98 20-MAY-98 20-MAY-98 20-MAY-98 21-MAY-98 21-MAY-98			
	ESU	STI			NGII NGII NGII NGII NGII NGII NGII NGII			
	TE R 57	INE	Lot					
_	AOC AOC	FIELD INVESTIGATION	ي ا	ADVIS*15 ADVIS*16 ADVIS*17 ADVIS*18 ADVIS*18 ADVIS*21 ADVIS*27 LADVIS*3 LADVIS*3 LADVIS*5 LADVIS*5 LADVIS*5 LADVIS*5 LADVIS*6 LADVIS*6 LADVIS*6 LADVIS*7 LADVIS*8 LADVIS*8 LADVIS*8 LADVIS*8 LADVIS*8 LADVIS*8 LADVIS*8 LADVIS*8 LADVIS*8 LADVIS*8 LADVIS*8 LADVIS*8	ADVIS*10 ADVIS*11 ADVIS*12 ADVIS*13 ADVIS*14 ADVIS*14 ADVIS*16 ADVIS*16 ADVIS*16 ADVIS*18			
ADLE V	SURR		Lab Number	LADOVATA PARA PARA PARA PARA PARA PARA PARA P	APACATA APACAT			
CB S DEVE	NTAL		!					
	DE/F		IIS of e	0.577220 0.577220 0.577020 0.577050 0.577050 0.577050 0.5770700 0.5770700 0.5770700 0.5770700 0.5770601 0.5770601 0.5770601 0.5770601 0.5770601 0.5770601 0.5770601 0.5770601 0.5770601 0.5770601 0.5770601 0.5770601 0.5770601 0.5770601 0.5770601 0.5770601	8x570900 8x571301 8x571401 8x571401 8x571503 8x571503 8x571503 8x570500 8x570500			
FESTICIDE/PCB SURROGATE RESULTS FT. DEVENS ACC 57	UPPL	IRDMIS Field Sample Number	88557578 88557578 88557578 88557578 88557578	8X57 8X57 8X57 8X57 8X57 8X57 8X57 8X57				
	PES	1998 SUPPLEMENTAL		;	255255555			
_	6	SIS	27-8-05 27-8-05 27-8-05 27-8-05 27-8-05 27-8-05 27-8-07 27-	8888888888				
		IRDMIS Site ID	570-88-02X 570-88-03X 570-88-03X 570-88-05X 570-88-03X 573-88-03X 573-88-03X 573-88-03X 573-88-03X 573-88-03X 573-88-03X 573-88-03X 573-88-03X 573-88-03X 573-88-03X 573-88-03X 573-88-03X	575-98-09X 5775-98-13X 5775-98-14X 5775-98-14X 5775-98-14X 5775-98-13X 570-98-01X 570-98-02X 570-98-02X 570-98-02X 570-98-03X				
				CL 108P CL 108	************			
			Test Name	CL 108P CL 108	7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7			
				:				
			IRDMIS Method Code	; - 222222222222222222222222222222222222	HH16 HH16 HH16 HH16 HH16 HH16 HH16			
							S & S	!
			_		888888888888			
			tio					
			crip	7108/8 7108/8 7108/8 7108/8 7108/8 7108/8 7108/8 7108/8 7108/8 7108/8 7108/8 7108/8 7108/8 7108/8 7108/8 7108/8 7108/8 7108/8 7108/8	%01 %01 %01 %01 %01 %01 %01 %01			
			Des		DES DES S			
			Method Description	PESTICIDES/SOIL/GCEC PESTICIDE	PESTICIDES/SOIL/GCEC PESTICIDES/SOIL/GCEC PESTICIDES/SOIL/GCEC PESTICIDES/SOIL/GCEC PESTICIDES/SOIL/GCEC PESTICIDES/SOIL/GCEC PESTICIDES/SOIL/GCEC PESTICIDES/SOIL/GCEC PESTICIDES/SOIL/GCEC PESTICIDES/SOIL/GCEC PESTICIDES/SOIL/GCEC PESTICIDES/SOIL/GCEC PESTICIDES/SOIL/GCEC PESTICIDES/SOIL/GCEC PESTICIDES/SOIL/GCEC PESTICIDES/SOIL/GCEC			
			Met		S S S S S S S S S S S S S S S S S S S			
			tor					
			Contractor	488-ES 488-ES	488-ES 488-ES 488-ES 488-ES 488-ES 488-ES 488-ES 488-ES 488-ES 488-ES			
			Con	488-55 488-55	ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES			

PESTICIDE/PCB SURROGATE RESULTS FT. DEVENS AOC 57

Percent Recovery	9.00 9.00	398334447748834 39837444774884 3983744
Value Unit	.0613 UGG .0605 UGG .0605 UGG .0602 UGG .0551 UGG .0573 UGG .0678 UGG .0678 UGG .0604 UGG .0604 UGG .0607 UGG .0607 UGG .0607 UGG .0607 UGG	.687 UG. .639 UG. .704 UG. .764 UG. .764 UG. .931 UG. .931 UG. .553 UG. .553 UG. .573 UG. .754 UG. .710 UG. .711 UG. .712 UG.
Spike Value		<i>ងមិងមិងមិងមិងមិងមិង</i> មិ
e Analysis Date	7-98 14-JUN-98 17-98 14-JUN-98 17-98 14-JUN-98 17-98 04-JUN-98 17-98 04-JUN-98 17-98 04-JUN-98 17-98 04-JUN-98 17-98 04-JUN-98 17-98 04-JUN-98 17-JUN-98 17-	21-MAY-98 03-JUN-98 21-MAY-98 23-JUL-98 21-MAY-98 03-JUN-98 26-MAY-98 24-JUN-98 26-MAY-98 24-JUN-98 27-MAY-98 24-JUN-98 27-MAY-98 24-JUN-98 27-MAY-98 24-JUN-98 27-MAY-98 24-JUN-98 27-MAY-98 02-JUN-98 21-MAY-98 02-JUN-98 21-MAY-98 02-JUN-98
Sample ot Date		SOVG 21-MAY-98 SOXG 21-MAY-98 SOVG 21-MAY-98 SOVG 21-MAY-98 SOWG 22-MAY-98 SOWG 26-MAY-98 SOWG 26-MAY-98 SOWG 27-MAY-98 SOWG 27-MAY-98 SOWG 27-MAY-98 SOWG 27-MAY-98 SOVG 21-MAY-98
Lab Number Lo		ADV14*13 St. ADV14*13 St. ADV14*13 St. ADV14*15 St. ADV14*22 St. ADV14*26 St. ADV14*26 St. ADV14*28 St. ADV14*28 St. ADV14*28 St. ADV14*28 St. ADV14*28 St. ADV14*28 St. ADV14*28 St. ADV14*2 St. LADV14*3 St. LADV14
IRDMIS Field Sample Number		WX570500 WX570600 WX570700 WX5702XX WX5702XX WX5702XX WX5711XX WX5711XX WX5711XX WX5711XX WX570100 WX570100
IRDMIS Site ID	570-98-08X 570-98-07X 578-98-07X 578-98-02X 578-98-02X 578-98-02X 578-98-02X 578-98-03X 578-98-03X 578-98-03X 578-98-03X 578-98-03X	574-98-05X 574-98-06X 574-98-08X 574-98-03X 577-98-03X 577-98-03X 577-98-11X 577-96-11X 577-96-11X 577-96-11X 577-96-11X 577-96-11X
Test Name	CL4XYL CL	CL 108P CL 108P CL 108P CL 108P CL 108P CL 108P CL 108P CL 108P CL 108P CL 108P CL 108P CL 108P
IRDMIS Method Code		00000000000000000000000000000000000000
n Method Description	PESTICIDES/SOIL/GCC PESTIC	PESTICIDES/WATER/GCEC PESTICIDES/WATER/GCEC PESTICIDES/WATER/GCEC PESTICIDES/WATER/GCEC PESTICIDES/WATER/GCEC PESTICIDES/WATER/GCEC PESTICIDES/WATER/GCEC PESTICIDES/WATER/GCEC PESTICIDES/WATER/GCEC PESTICIDES/WATER/GCEC PESTICIDES/WATER/GCEC PESTICIDES/WATER/GCEC PESTICIDES/WATER/GCEC PESTICIDES/WATER/GCEC PESTICIDES/WATER/GCEC PESTICIDES/WATER/GCEC PESTICIDES/WATER/GCEC PESTICIDES/WATER/GCEC PESTICIDES/WATER/GCEC
Contractor	ABB - CS ABB	ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES

PESTICIDE/PCB SURROGATE RESULTS FT. DEVENS AOC 57

DEVENS AOC 57	SUPPLEMENTAL FIELD INVESTIGATION
Ë	SUPPLEME
	1998 S

Percent Recovery	23.2 286.5 26.5 26.5 26.5 26.5 26.5 26.5 26.5 2	7.22.22.22.22.22.22.22.22.22.22.22.22.22
Value Unit		. 902 UG. . 735 UG. . 735 UG. . 935 UG. . 935 UG. . 935 UG. . 1.15 UG. . 936 UG. . 837 UG. . 938
Spike Value	<u> </u>	<i>ដង់ងង់ងង់ងង់ងងងងងងងងងងងង</i> ងង
Sample Analysis Date Date		21-MAY-98 03-JUN-98 21-MAY-98 03-JUN-98 21-MAY-98 03-JUN-98 21-MAY-98 03-JUN-98 22-MAY-98 24-JUN-98 22-MAY-98 24-JUN-98 27-MAY-98 24-JUN-98 27-MAY-98 24-JUN-98 27-MAY-98 24-JUN-98 27-MAY-98 24-JUN-98 27-MAY-98 02-JUN-98 21-MAY-98 02-JUN-98 22-JUN-98 24-JUN-98 24-JUN-98 24-JUN-98 24-JUN-98 24-JUN-98 24-JUN-98 24-JUN-98 24-JUN-98 24-JUN-98
Lab Number Lot		ADV14*13 SDVG ADV14*15 SDVG ADV14*15 SDVG ADV14*24 SDVG ADV14*24 SDVG ADV14*26 SDVG ADV14*26 SDVG ADV14*25 SDVG ADV14*25 SDVG ADV14*27 SDVG LADV14*3 SDVG LADV14*3 SDVG LADV14*3 SDVG LADV14*3 SDVG LADV14*3 SDVG LADV14*3 SDVG SDVG SDVG SDVG SDVG SDVG SDVG SDVG
IRDMIS Field IRDMIS Sample Site ID Number	574-98-03X WX570300 574-98-04X WX570400	57W-98-05X WX570500 57W-98-06X WX570800 57W-98-06X WX570800 57W-98-06X WX570800 57P-98-02X WX5703XX 57P-98-04X WX5703XX 57P-98-04X WX5711XX 57M-96-11X WX5711XX 57M-96-11X WX5711XX 57M-96-11X WX5711XX 57M-98-01 SBK98001 57W-98-02X WX570200 57W-98-03X WX570200 57W-98-03X WX570300
Test Name	CL10BP CL	1,4,4,1 1,4
IRDMIS Method Code	2020 2020 2020 2020 2020 2020 2020 202	1905 1905 1905 1905 1905 1905 1905 1905
r Method Description	PESTICIDES/WATER/GCEC PESTICIDES/WATER/GCEC PESTICIDES/WATER/GCEC PESTICIDES/WATER/GCEC PESTICIDES/WATER/GCEC PESTICIDES/WATER/GCEC PESTICIDES/WATER/GCEC PESTICIDES/WATER/GCEC PESTICIDES/WATER/GCEC PESTICIDES/WATER/GCEC PESTICIDES/WATER/GCEC	PESTICIDES/WATER/GCEC PESTICIDES/WATER/GCEC
Contractor	ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES	ABB - ES ABB - ES

PESTICIDE/PCB SURROGATE RESULTS FT. DEVENS AOC 57

Percent Recovery	68.8 11.8 93.6	4.68 6.25 6.25 6.25 6.25 6.25 6.25 6.25 6.25	38.7 663.6 57.7 57.7 70.0 69.9 61.8
Value Unit	•	648 usi 856 usi 878 usi 879 usi 871 usi 871 usi 872 usi 873 usi 873 usi 873 usi 873 usi 873 usi 873 usi 874 usi 875 usi 875 usi 877 usi 877 usi 877 usi 877 usi 877 usi 878	.484 UGL .831 UGL .795 UGL .778 UGL .789 UGL .875 UGL .874 UGL
Spike Value		<u> </u>	<u> </u>
Analysis Date		98 27- JUN-98 98 27- JUN-98 98 27- JUN-98 98 27- JUN-98 98 27- JUN-98 98 27- JUN-98 98 27- JUN-98 98 27- JUN-98 98 27- JUN-98 98 27- JUN-98 98 27- JUN-98 98 27- JUN-98 98 27- JUN-98 98 27- JUN-98	98 27-JUN-98 98 27-JUN-98 98 27-JUN-98 98 27-JUN-98 98 27-JUN-98 98 27-JUN-98 98 27-JUN-98
Sample Lot Date		TDNI 21-MAY-98 TDNI 21-MAY-98 TDNI 22-MAY-98 TD01 26-MAY-98 TD01 26-MAY-98 TD01 27-MAY-98 TD01 21-MAY-98 TD01	TDNI 21-MAY-98 TDNI 21-MAY-98 TDNI 21-MAY-98 TD0I 26-MAY-98 TD0I 26-MAY-98 TD0I 26-MAY-98 TD0I 27-MAY-98 TD0I 27-MAY-98 TD0I 27-MAY-98
Lab Number		ADV14*17 ADV14*17 ADV14*26 ADV14*26 ADV14*26 ADV14*26 ADV14*26 ADV14*26 ADV14*36 LADV14*3 LADV14*3 LADV14*3 LADV14*3 LADV14*3 LADV14*3 LADV14*3	ADV11#11 ADV11#15 ADV11#22 ADV11#22 ADV11#26 ADV11#26 ADV11#26 ADV11#26
IRDMIS Field Sample Number		x hx570500 x hx570700 x hx570200 x hx57030x x hx5703xx x hx5704xx x hx5711xx x hx5711xx x hx5711xx x hx570100 x hx570300 x hx570300 x hx570400	X WX570500 X WX570700 X WX570800 X MX5702XX X MX5702XX X MX5704XX X MX5711XX X MX5711XX
IRDMIS Site ID	 	574-98-05X 574-98-05X 574-98-02X 577-98-02X 578-98-04X 578-98-04X 578-98-011 578-98-011 578-98-011 578-98-011 578-98-011	574-98-05X 574-98-03X 574-98-02X 576-98-02X 577-98-04X 578-96-11X 578-96-11X
Test Name	**************************************	CL108P CL108P	0.4XYL 0.4XYL 0.4XYL 0.4XYL 0.4XXL 0.4XXL
IRDMIS Method Code		666666666666666666666666666666666666	######################################
		PESTICIDES/WATER/GCEC PESTICIDES/WATER/GCEC	PESTICIDES/WATER/GCEC PESTICIDES/WATER/GCEC PESTICIDES/WATER/GCEC PESTICIDES/WATER/GCEC PESTICIDES/WATER/GCEC PESTICIDES/WATER/GCEC PESTICIDES/WATER/GCEC PESTICIDES/WATER/GCEC PESTICIDES/WATER/GCEC PESTICIDES/WATER/GCEC
Contracto	1 1 2 1 1 1 1 1 1	ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES	ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES

PESTICIDE/PCB SURROGATE RESULTS FT. DEVENS AOC 57

Percent Recovery	71.0 84.0 757.8 62.6 67.9 67.9 67.9 84.0
Value Unit	.888 uc. 1.05 uc. 1723 uc. 187 uc. 612 uc. 783 uc. 277 uc. 849 uc. 838 uc.
Spike Value	<u> </u>
Analysis Date	98 28-JUN-98 98 28-MAY-98 98 27-JUN-98 98 27-JUN-98 27-JUN-98 27-JUN-98 27-JUN-98 27-JUN-98 27-JUN-98 27-JUN-98
Sample Lot Date	TO TO TO TO TO TO TO TO TO TO TO TO TO T
Lab Number	ADV14*28 LADV14*3 LADV14*3 LADV14*5 LADV14*7
IRDMIS Field Sample Number	
IRDMIS Site ID	574-96-11X SBK-98-001 574-98-01X 574-98-03X 574-98-04X
Test Name	CL4XYL CL
IRDMIS Method Code	######################################
Contractor Method Description	PESTICIDES/WATER/GCE PESTICIDES/WATER/GCE PESTICIDES/WATER/GCE PESTICIDES/WATER/GCEC PESTICIDES/WATER/GCEC PESTICIDES/WATER/GCEC PESTICIDES/WATER/GCEC PESTICIDES/WATER/GCEC PESTICIDES/WATER/GCEC PESTICIDES/WATER/GCEC
Contracto	ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES

TABLE 8
MATRIX SPIKE/MATRIX SPIKE DUPLICATE RESULTS
FT. DEVENS AGC 57

Contractor	Contractor Method Description	IRDMIS Method Code	Test Name	IRDMIS Site ID	IRDMIS Field Sample Number	Lab Number Lot	Sample Date	Analysis Date	Spike Value	Value <	Original Sample Value Unit	Percent Recovery	RPD
ABB-ES ABB-ES		0906 0906	******			00	21-MAY-98 21-MAY-98	12-JUN-98 12-JUN-98	16900 10200	7100	97000 UGG 97000 UGG	129.5 205.9 167.7 129.5 205.9	45.5 45.5
ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES		9071 9071 9071 9071 9071	TPHC TPHC TPHC TPHC TPHC TPHC ************************************	578-98-14X 578-98-14X 570-98-04X 570-98-04X 575-98-07X 575-98-07X	SX571401 SX571401 DX570400 DX570400 SD570700 SD570700	ADV15*12 ZERU ADV15*12 ZERU ADV15*17 ZEQU ADV15*27 ZEQU ADV15*27 ZESU ADV15*27 ZESU	20-MAY-98 20-MAY-98 21-MAY-98 21-MAY-98 19-MAY-98 19-MAY-98	11-JUN-98 11-JUN-98 12-JUN-98 16-JUN-98 16-JUN-98	1640 1640 4830 4830 5680 5680	1140 1090 1040 1040 1100 1020	895 UGG 895 UGG 246 UGG 246 UGG 1830 UGG	701.0 82.4 82.4 92.5 92.7 90.7	7.7.0 2.7.7 2.2.7 7.2.9
ABB-ES ABB-ES ABB-ES ABB-ES	METALS/SOIL/ICP-MS METALS/SOIL/ICP-MS METALS/SOIL/ICP-MS METALS/SOIL/ICP-MS	J301 J301 J301 J301	AS AS AS AS ***************************	57S-98-14X 57S-98-14X 57S-98-01X 57S-98-01X	SX571401 SX571401 SX570101 SX570101	ADVIS*12 PLYA ADVIS*12 PLYA LADVIS*1 PLYA LADVIS*1 PLYA	20-may-98 20-may-98 19-may-98 19-may-98	30-1UN-98 30-1UN-98 30-1UN-98 30-1UN-98	7.22 7.08 7.33 7.4	5.8 3.06 2.91	28 UGG 28 UGG 15.3 UGG 15.3 UGG	27.0 27.0 27.0 52.4 58.8 58.8 27.0 27.0	124.4 124.4 6.0 6.0
ABB-ES ABB-ES ABB-ES ABB-ES	METALS/SOIL/ICP METALS/SOIL/ICP METALS/SOIL/ICP METALS/SOIL/ICP	JS16 JS16 JS16 JS16	BA BA BA BA ***************************	578-98-14X 578-98-14X 578-98-07X 578-98-07X	SX571401 SX571401 SD570700 SD570700	ADV15*12 UBZJ ADV15*12 UBZJ ADV15*27 UBZJ ADV15*27 UBZJ	20-MAY-98 20-MAY-98 19-MAY-98 19-MAY-98	03-JUN-98 03-JUN-98 03-JUN-98 03-JUN-98	83.1 82.3 289 289	56.9 56.58.6 57.1	14.6 UGG 14.6 UGG 60.3 UGG 60.3 UGG	98.5 98.9 102.4 99.8 100.2 102.4	6.6.6. 6.6.6.

TABLE 8
MATRIX SPIKE/MATRIX SPIKE DUPLICATE RESULTS
FT. DEVENS AOC 57

RPD	ий. 0.0	ww ririo'o'	7.7.7.	4444	หน่น เรา
Percent Recovery	100.0 98.7 99.3 99.3 98.7	121.4 117.2 98.3 96.4 108.3	101.3 98.6 97.9 100.2 103.0	34.1 32.7 55.8 53.6 44.0 22.7	96.0 96.2 98.2
Original Sample Value Unit	3.46 UGG 3.46 UGG 28.3 UGG 28.3 UGG	69.5 UGG 69.5 UGG 66.3 UGG 66.3 UGG	10.5 UGG 10.5 UGG 297 UGG 297 UGG	7.14 UGG 7.14 UGG 7.14 UGG 7.14 UGG	27.5 UGG 27.5 UGG 77.4 UGG
Value <	47.2 47.4 47.4 47.4	57.3 55.8 46.9 46	146 < 145 < 141 140 140	48.3 < 46.8 < 79.8 < 76.6 <	91.1 90.7 93.5
Spike Value	68.6 69.2 241 241	68.6 69.2 241 241	25 25 25 25 25 25 25 25 25 25 25 25 25 2	208 203 222 225 225	138 137 481
Analysis Date	86-NNT-50 8 86-NNT-50 8 86-NNT-50 8	86-NNT-50 8 86-NNT-50 8 86-NNT-50 8	86-NDF-28 803-NDF-88 8 03-NDF-88 03-NDF-88	8 03- JUN-98 8 03- JUN-98 8 03- JUN-98 8 03- JUN-98	8 03-JUN-98 8 03-JUN-98 8 03-JUN-98
Sample Lot Date		UBZJ 20-MAY-98 UBZJ 20-MAY-98 UBZJ 19-MAY-98 UBZJ 19-MAY-98	UBZJ 20-MAY-98 UBZJ 20-MAY-98 UBZJ 19-MAY-98 UBZJ 19-MAY-98	UBZJ 20-MAY-98 UBZJ 20-MAY-98 UBZJ 19-MAY-98 UBZJ 19-MAY-98	UBZJ 20-MAY-98 UBZJ 20-MAY-98 UBZJ 19-MAY-98
Lab Number	ADV15*12 ADV15*12 ADV15*27 ADV15*27	ADV1S*12 ADV1S*17 ADV1S*27 ADV1S*27	ADV15*12 ADV15*12 ADV15*27 ADV15*27	ADV15*12 ADV15*12 ADV15*27 ADV15*27	ADV15*12 ADV15*12 ADV15*27
IRDMIS Field Sample Number		x sx571401 x sx571401 x sp570700 x sp570700	x sx571401 x sx571401 x sp570700 x sp570700	x sx571401 x sx571401 x sp570700 x sp570700	x sx571401 x sx571401 x sb570700
IRDMIS Site ID		578-98-14X 578-98-14X 578-98-07X 578-98-07X	57S-98-14X 57S-98-14X 57S-98-07X 57S-98-07X	57S-98-14X 57S-98-14X 57S-98-07X 57S-98-07X	57S-98-14X 57S-98-14X 57S-98-07X
Test Name	CU CU CU CU ********* avg minimum	MN MN MN MN ******** avg minimum	PB PB PB PB ********* avg minimum	SB SB SB SB ********* avg minimm	N ZN Z
IRDMIS Method Code	1816 1818 1818 1818 1816	JS16 JS16 JS16 JS16	1816 1816 1816 1816	JS16 JS16 JS16 JS16	JS16 JS16 JS16
Contractor Method Description	METALS/SOIL/ICP METALS/SOIL/ICP METALS/SOIL/ICP METALS/SOIL/ICP	METALS/SOIL/ICP METALS/SOIL/ICP METALS/SOIL/ICP METALS/SOIL/ICP	METALS/SOIL/ICP METALS/SOIL/ICP METALS/SOIL/ICP METALS/SOIL/ICP	METALS/SOIL/ICP METALS/SOIL/ICP METALS/SOIL/ICP METALS/SOIL/ICP	METALS/SOIL/ICP METALS/SOIL/ICP METALS/SOIL/ICP
Contracto	ABB-ES ABB-ES ABB-ES ABB-ES	ABB-ES ABB-ES ABB-ES ABB-ES	ABB-ES ABB-ES ABB-ES ABB-ES	ABB-ES ABB-ES ABB-ES ABB-ES	ABB-ES ABB-ES ABB-ES

TABLE 8
MATRIX SPIKE/MATRIX SPIKE DUPLICATE RESULTS
FT. DEVENS AOC 57

RPD	2.5	8.5	7.8	18.7	14.9	10.3
Percent Recovery	95.8 95.8 98.2	50.4 50.4 52.7 50.4 54.9	44.4 44.4 46.2 44.4 48.0	51.4 42.7 47.1 42.7 51.4	43.0 43.0 43.0 43.0 43.0	51.9
Original Sample Value Unit	77.4 UGG	.00602 UGG .00602 UGG	.00729 UGG	.00663 UGG	.00629 UGG .00629 UGG	.00657 UGG .00657 UGG
Value <	91.2	> 110. > 1010.	> 9600°	, 0103 < , 00854 <	.00861 ×	.00938 <
Spike Value	481	.0291	.0291	.0291	.0291	.0291
le Analysis Date	19-MAY-98 03-JUN-98	ADV1S*12 UFLG 20-MAY-98 29-JUN-98 ADV1S*12 UFLG 20-MAY-98 29-JUN-98	20-MAY-98 29-JUN-98 20-MAY-98 29-JUN-98	20-MAY-98 29-JUN-98 20-MAY-98 29-JUN-98	20-MAY-98 29-JUN-98 20-MAY-98 29-JUN-98	20-MAY-98 29-JUN-98 20-MAY-98 29-JUN-98
Sample Lot Date		FLG 20-M FLG 20-W	UFLG 20-M UFLG 20-M	UFLG 20-M UFLG 20-M	FLG 20-M	-LG 20-M
,	ADV1S*27 UBZJ	ADV1S*12 U ADV1S*12 U	Adv1s*12 ui Adv1s*12 ui	Advis*12 ui Advis*12 ui	ADV15*12 UFLG ADV15*12 UFLG	ADV1S*12 UFLG ADV1S*12 UFLG
IRDMIS Field Sample Number	X SD570700	4X SX571401 4X SX571401	4X SX571401 4X SX571401	X SX571401	578-98-14X SX571401 578-98-14X SX571401	X SX571401
IRDMIS Site ID	** 57S-98-07X	57s-98-1 57s-98-1	57S-98-1 57S-98-1	57S-98-14X 57S-98-14X		57S-98-14X 57S-98-14X
Test Name	ZN ******** avg minimum maximum	AENSLF AENSLF ************************************	ALDRN ALDRN ************************************	BENSLF BENSLF ************************************	DLDRN BLDRN ************************************	ENDRN ENDRN *******
IRDMIS Method Code	JS16	LH10	LH10 LH10	LH10 LH10	LH10 LH10	LH10 LH10
Contractor Method Description	METALS/SOIL/ICP	PESTICIDES/SOIL/GCEC PESTICIDES/SOIL/GCEC	PESTICIDES/SOIL/GCEC PESTICIDES/SOIL/GCEC	PESTICIDES/SOIL/GCEC PESTICIDES/SOIL/GCEC	PESTICIDES/SOIL/GCEC PESTICIDES/SOIL/GCEC	PESTICIDES/SOIL/GCEC PESTICIDES/SOIL/GCEC
Contract	ABB-ES	ABB-ES ABB-ES	ABB-ES ABB-ES	ABB-ES ABB-ES	ABB-ES ABB-ES	ABB-ES ABB-ES

TABLE 8

MATRIX SPIKE/MATRIX SPIKE DUPLICATE RESULTS FT. DEVENS AGC 57

RPD		8.4. 8.4.	10.9	7.9	21.9	oʻoʻ
Percent Recovery	46.9 51.9	55.9 51.4 53.7 51.4 55.9	48.3 43.3 45.8 45.8	72.9 72.9 72.9 78.9	88.4 70.9 79.7 70.9 88.4	35.33 35.33 35.33 35.33 5.33 5.33 5.33
Original Sample Value Unit		.00618 UGG	.00461 UGG	.00638 UGG	.0711 UGG	.0248 UGG
Value <		.0103 <	.0145 <	.0158 <	.142 <	.00707
Spike Value	1 1 1 1 1 1 1 1 1	.0291	.0436	.0291	%. 7.8.	.0291
Analysis Date	1 1 1 1 1 1 1 1	20-MAY-98 29-JUN-98 20-MAY-98 29-JUN-98	20-MAY-98 29-JUN-98 20-MAY-98 29-JUN-98	20-MAY-98 29-JUN-98 20-MAY-98 29-JUN-98	20-MAY-98 29-JUN-98 20-MAY-98 29-JUN-98	20-MAY-98 29-JUN-98 20-MAY-98 29-JUN-98
Sample Lot Date		2 UFLG 20-MAY-	2 UFLG 20-MAY-	2 UFLG 20-MAY-	2 UFLG 20-MAY-	2 UFLG 20-MAY-2 2 UFLG 20-MAY-3
Lab Number	t 	ADV1S*12 UFLG ADV1S*12 UFLG	ADV1S*12 UFLG ADV1S*12 UFLG	ADV1S*12 UFLG ADV1S*12 UFLG	ADV15*12 UFLG ADV15*12 UFLG	ADV1S*12 UFLG ADV1S*12 UFLG
IRDMIS Field Sample Number	# 1	tx sx571401	X SX571401	tx sx571401	X SX571401	X SX571401
IRDMIS Site ID	: : : : : : : :	578-98-14X 578-98-14X **	575-98-14X 575-98-14X **	575-98-14X 575-98-14X **	57S-98-14X 57S-98-14X **	57S-98-14X 57S-98-14X **
Test Name	minimum maximum	HPCL HPCL ************************************	ISODR ISODR ************************************	LIN LIN *************** avg minimum maximum	MEXCLR ********** avg minimum	PPDDT PPDDT ****************************
IRDMIS Method Code	 	LH10	LH10 LH10	LH10 LH10	LH10 LH10	LH10 LH10
Contractor Method Description		PESTICIDES/SOIL/GCEC PESTICIDES/SOIL/GCEC	PESTICIDES/SOIL/GCEC PESTICIDES/SOIL/GCEC	PESTICIDES/SOIL/GCEC PESTICIDES/SOIL/GCEC	PESTICIDES/SOIL/GCEC PESTICIDES/SOIL/GCEC	PESTICIDES/SOIL/GCEC PESTICIDES/SOIL/GCEC
Contract	1 1 1 4 4 1	ABB-ES ABB-ES	ABB-ES ABB-ES	ABB-ES ABB-ES	ABB-ES ABB-ES	ABB-ES ABB-ES

TABLE 8
MATRIX SPIKE/MATRIX SPIKE DUPLICATE RESULTS
FT. DEVENS AOC 57

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TABLE 8
MATRIX SPIKE/MATRIX SPIKE DUPLICATE RESULTS
FT. DEVENS AOC 57

RPD		ww.44 00	ท่ห่ะต่	8.8.6.6	66666 6666 6666 6666 6666 6666 6666 6666
Percent Recovery	93.2 101.4	99.5 106.1 101.8 100.8 95.7	98.5 98.5 98.5 98.5 98.5 98.5 98.5	4.001 4.006 4.006 4.006 4.001 4.001	100.0 98.4 112.8 100.4 93.6 91.2
Original Sample Value Unit		20	18 UGL 18 UGL 9.2 UGL 9.2 UGL		37.6 uet 26.0 uet 26.0 uet 26.0 uet 26.0 uet 26.0 uet 26.0 uet 26.0 uet
Value <	• • • • • • • • • • • • • • • • • • •	44.2 < 42.5 < 47.1 < 45.2 <	768 769 769 769	502 < 498 < 497 < 494 <	250 282 251 254 234 234
Spike Value	i i i i i i i	7.7.7.7 7.7.7.7 7.7.7.7 7.7.7.7	200 200 200 200 200 200 200 200 200 200	200 200 200 200 200	ស្តស្តស្តស្ត
Analysis Date	; ; ; ; ; ; ; ; ;	8 29-0CT-98 8 29-0CT-98 8 12-NOV-98 8 12-NOV-98	8 03-JUN-98 8 03-JUN-98 8 03-JUN-98 8 03-JUN-98	86-NNT-58 8 03-NNT-88 8 03-NNT-88	8 09-7UN-98 8 05-7UN-98 8 03-7UN-98 8 03-7UN-98 8 03-7UN-98
Sample Lot Date	1 1 1 1 1 1 1 1	OKSB 27-MAY-98 (OKSB 27-MAY-98	OGHG 27-MAY-98 OGHG 27-MAY-98 OGHG 27-MAY-98 OGHG 27-MAY-98	OGHG 27-MAY-98 (OGHG 27-MAY-98 (OGHG 27-MAY-98 (OGHG 27-MAY-98 (0GJG 21-MAY-98 0GJG 21-MAY-98 0GHG 27-MAY-98 0GHG 27-MAY-98 0GHG 27-MAY-98
Lab Number		DV14*126 DV14*126 DV14*127 DV14*127	ADV14*26 ADV14*26 ADV14*27 ADV14*27	ADV14*26 ADV114*26 ADV114*27 ADV114*27	ADV14*16 ADV14*16 ADV14*26 ADV14*26 ADV14*27 ADV14*27
IRDMIS Field Sample Number		1X MX5711XX 1X MX5711XX 1X MX5711XX 1X MX5711XX	1X MX5711XX 1X MX5711XX 1X MX5711XX 1X MX5711XX	IX MX5711XX IX MX5711XX IX MX5711XX IX MX5711XX	X WS70700 X WS70700 X MS711XX X MS711XX X MS711XX X MS711XX X MS711XX
IRDMIS Site ID	; ; ; ; ; ; ;	57N-96-11X 57N-96-11X 57N-96-11X 57N-96-11X	57M-96-11X 57M-96-11X 57M-96-11X 57M-96-11X	57M-96-11X 57M-96-11X 57M-96-11X 57M-96-11X	57N-98-07X 57N-98-07X 57N-96-11X 57N-96-11X 57N-96-11X 57N-96-11X
Test Name	minimum	SE SE SE ******************************	BA BA BA ******************************	CU CU CU ******************************	MN MN MN MN MN MN MN MN MN MN MN MN MN M
IRDMIS Method Code		\$303 \$303 \$303 \$303	SS18 SS18 SS18 SS18	SS18 SS18 SS18 SS18	SS18 SS18 SS18 SS18 SS18 SS18
Contractor Method Description		METALS/WATER/ICP-MS METALS/WATER/ICP-MS METALS/WATER/ICP-MS METALS/WATER/ICP-MS	METALS/WATER/ICP METALS/WATER/ICP METALS/WATER/ICP METALS/WATER/ICP	METALS/WATER/ICP METALS/WATER/ICP METALS/WATER/ICP METALS/WATER/ICP	METALS/WATER/ICP METALS/WATER/ICP METALS/WATER/ICP METALS/WATER/ICP METALS/WATER/ICP METALS/WATER/ICP
Contracto		ABB-ES ABB-ES ABB-ES ABB-ES	ABB-ES ABB-ES ABB-ES ABB-ES	ABB-ES ABB-ES ABB-ES ABB-ES	ABB-ES ABB-ES ABB-ES ABB-ES ABB-ES

TABLE 8

MATRIX SPIKE/MATRIX SPIKE DUPLICATE RESULTS FT. DEVENS AOC 57

RPD		0000	0.000 0.000	ហុំហុំឃុំ	00
Percent Recovery	91.2	102.0 100.0 101.0 101.0 100.0	105.0 101.0 103.0 101.0 102.5 101.0	98.5 99.5 99.5 89.5 89.6 89.6	98.5 97.6 97.6 97.6 97.6
Original Sample Value Unit		50 UGE 50 UGE 50 UGE 50 UGE	50 UGL 50 UGL 50 UGL 50 UGL	20 ner 20 ner 20 ner 20 ner	35.8 UGL 35.8 UGL 35.8 UGL 35.8 UGL
Value <		1020 < 1000 < 1010 < 1010 <	1050 < 1010 < 1010 < 1010 <	991 × 986 × 998 × 995 ×	986 935 < 976 976 > 97 6
Spike Value		000 000 000 000 000	1000	1000	1000
Analysis Date		8 03-JUN-98 8 03-JUN-98 8 03-JUN-98 8 03-JUN-98	8 03- JUN-98 8 03- JUN-98 8 03- JUN-98 8 03- JUN-98	8 03-JUN-98 8 03-JUN-98 8 03-JUN-98 8 03-JUN-98	8 03-JUN-98 8 03-JUN-98 8 03-JUN-98 8 03-JUN-98
Sample Lot Date		0GHG 27-MAY-98 0GHG 27-MAY-98 0GHG 27-MAY-98 0GHG 27-MAY-98	0GHG 27-MAY-98 0GHG 27-MAY-98 0GHG 27-MAY-98 0GHG 27-MAY-98	OGHG 27-MAY-98 (OGHG 27-MAY-98 (OGHG 27-MAY-98 (OGHG 27-MAY-98 (OGHG 27-MAY-98 (OGHG 27-MAY-98 OCHG 27-MAY-98 OGHG 27-MAY-98 OGHG 27-MAY-98
Lab Number	1 1 1 1 1 1 1	ADV14*26 ADV14*26 ADV14*27 ADV14*27	ADV14#26 ADV14#26 ADV14#27 ADV14#27	ADV14*26 ADV14*26 ADV14*27 ADV14*27	ADV14*26 ADV14*26 ADV14*27 ADV14*27
IRDMIS Field Sample Number	**************************************	1X MX5711XX 1X MX5711XX 1X MX5711XX 1X MX5711XX	1X MX5711XX 1X MX5711XX 1X MX5711XX 1X MX5711XX	1X MX5711XX 1X MX5711XX 1X MX5711XX 1X MX5711XX	1X MX5711XX 1X MX5711XX 1X MX5711XX 11X MX5711XX
IRDMIS Site ID	* 5 5 5 6 6 6 7	57A-96-17 57A-96-17 57A-96-11 57A-96-11	57M-96-11 57M-96-11 57M-96-11 **	57M-96-17 57M-96-17 57M-96-17 **	57N-96-11 57N-96-11 57N-96-11 **
Test Name	minimum maximum	PB PB PB PB ***************************	SB SB SB SB ***************************	SE SE SE ******************************	ZN ZN ZN ZN XN ******* avg minimm
IRDMIS Method Code		SS18 SS18 SS18 SS18	SS18 SS18 SS18 SS18	SS18 SS18 SS18 SS18	SS18 SS18 SS18 SS18
Contractor Method Description		METALS/WATER/ICP METALS/WATER/ICP METALS/WATER/ICP METALS/WATER/ICP	METALS/WATER/ICP METALS/WATER/ICP METALS/WATER/ICP METALS/WATER/ICP	METALS/NATER/ICP METALS/NATER/ICP METALS/NATER/ICP METALS/NATER/ICP	METALS/WATER/ICP METALS/WATER/ICP METALS/WATER/ICP METALS/WATER/ICP
Contract	: : : : : :	ABB-ES ABB-ES ABB-ES ABB-ES	ABB-ES ABB-ES ABB-ES ABB-ES	ABB-ES ABB-ES ABB-ES ABB-ES	ABB-ES ABB-ES ABB-ES ABB-ES

TABLE 8
MATRIX SPIKE/MATRIX SPIKE DUPLICATE RESULTS
FT. DEVENS AOC 57

RPD	24.0 24.0	7.3	17.1	24.4	30.6 30.6	26.5 26.5
Percent Recovery	29.5 78.1 88.8 78.1	102.1 94.9 98.5 94.9 102.1	73.6 62.0 67.8 67.8 73.6	59.8 46.8 53.3 59.8	67.8 49.8 58.8 49.8 67.8	65.8 50.4
Original Sample Value Unit	. 16 UGL . 16 UGL	. 19 UGL . 19 UGL	.023 UGL .023 UGL	.0918 UGL	. 023 us. . 023 us.	.024 UGL
Value <	3.73 < 2.93 <	3.83 <	.31 <	.234 <	.239 < .249 <	.329 < .252 <
Spike Value	8.8 8.8	3.73	က်ကဲ	ហំហំ	พ่พ่	ឃុំឃុំ
Analysis Date	78 24-JUN-98 78 24-JUN-98	27-MAY-98 24-JUN-98 27-MAY-98 24-JUN-98	% 27-JUN-98 % 27-JUN-98	8 27-JUN-98	72-JUN-98	8 27-JUN-98 8 27-JUN-98
Sample Lot Date	SDWG 27-MAY-98 S	SDWG	TDOI 27-MAY-98 TD01 27-MAY-98 3	TDOI 27-MAY-98 (TDOI 27-MAY-98	1001 27-MAY-98 1001 27-MAY-98	TDOI 27-MAY-98 TDOI 27-MAY-98
Lab Number	ADV14*26 ADV14*26	ADV14*26 ADV14*26	ADV1₩*26 ADV1₩*26	ADV14*26 ADV14*26	ADV14*26 ADV14*26	ADV1W*26 ADV1W*26
IRDMIS Field Sample Number	X MX5711XX X MX5711XX	X MX5711XX X MX5711XX	X MX5711XX X MX5711XX	X MX5711XX X MX5711XX	X MX5711XX X MX5711XX	X MX5711XX X MX5711XX
IRDMIS Site ID	57M-96-11 57M-96-11	57M-96-11X	57M-96-11 57M-96-11	57M-96-11 57M-96-11	57M-96-11 57M-96-11	57M-96-11) 57M-96-11)
Test	PCB016 PCB016 ************************************	PCB260 PCB260 ************************************	AENSLF AENSLF ************************************	ALDRN ALDRN ************************************	BENSLF BENSLF ************************************	DLDRN DLDRN
IRDMIS Method Code	UH02 UH02	UH02 UH02	UH13 UH13	UH13 UH13	UH13 UH13	UH13 UH13
Contractor Method Description	PESTICIDES/WATER/GCEC PESTICIDES/WATER/GCEC	PESTICIDES/WATER/GCEC PESTICIDES/WATER/GCEC	PESTICIDES/WATER/GCEC PESTICIDES/WATER/GCEC	PESTICIDES/WATER/GCEC PESTICIDES/WATER/GCEC	PESTICIDES/WATER/GCEC PESTICIDES/WATER/GCEC	PESTICIDES/WATER/GCEC PESTICIDES/WATER/GCEC
Contracto	ABB-ES ABB-ES	ABB-ES	ABB-ES ABB-ES	ABB-ES ABB-ES	ABB-ES ABB-ES	ABB-ES ABB-ES

TABLE 8 MATRIX SPIKE/MATRIX SPIKE DUPLICATE RESULTS FT. DEVENS AOC 57

TABLE 8 MATRIX SPIKE/MATRIX SPIKE DUPLICATE RESULTS FT. DEVENS AOC 57

RPD	41.0	13.3 5.3	15.4 15.4	8.8. 7.7.	0.0	00
Percent Recovery	69.4 45.8 57.6 45.8 69.4	64.0 56.0 60.0 56.0 64.0	56.0 48.0 52.0 48.0 56.0	74.0 68.0 71.0 68.0 74.0	44 444	4.0
Original Sample Value Unit	.034 UGL .034 UGL	1.8 UGL 1.8 UGL	2.7 UGL 2.7 UGL	4.5 UGL 4.5 UGL	ਚੂਨ ਚੂਨ 8.	4 UGL 4 UGL
Value <	. 229 <	35 28 8 ×	5,8	* * *	4.4. ^ ^	44
Spike Value	ឃុំឃុំ	20	50	20	100	100
Analysis Date	27-MAY-98 27-JUN-98 27-MAY-98 27-JUN-98	27-MAY-98 16-JUN-98 27-MAY-98 16-JUN-98	8 16-JUN-98 8 16-JUN-98	8 16-JUN-98 8 16-JUN-98	8 16-JUN-98 8 16-JUN-98	8 16-JUN-98 8 16-JUL-98
Sample Lot Date	1001 1001	MDIO 27-MAY-9 MDIO 27-MAY-9	WD10 27-MAY-98 (ND10 27-MAY-98 1	MDIO 27-MAY-98 WDIO 27-MAY-98	ADV14*26 HDIO 27-MAY-98 16-JUN-98 ADV14*26 HDIO 27-MAY-98 16-JUN-98
Lab	ADV14*26 ADV14*26	ADV14*26 4D10 ADV14*26 4D10	ADV14*26 4D10 ADV14*26 4D10	ADV14*26 ADV14*26	ADV14*26 ADV14*26	ADV1W*26 ADV1W*26
IRDMIS Field Sample Number	X MX5711XX X MX5711XX	X MX5711XX X MX5711XX	X MX5711XX X MX5711XX	X MX5711XX X MX5711XX	X MX5711XX X MX5711XX	X MX5711XX X MX5711XX
IRDMIS Site ID	57M-96-11X **	57M-96-11X **	57M-96-11X 57M-96-11X	57M-96-11X 57M-96-11X	57M-96-11X 57M-96-11X	57M-96-11X 57M-96-11X
Test	PPDDT PPDDT ****************************	124TCB 124TCB ************************************	14DCLB 14DCLB ************************************	24DNT 24DNT ************************************	2CLP 2CLP ************************************	4CL3C 4CL3C
IRDMIS Method Code	UH13 UH13	UM18 UM18	UM18 UM18	UM18 UM18	UM18 UM18	UM18 UM18
Contractor Method Description	PESTICIDES/WATER/GCEC PESTICIDES/WATER/GCEC	ORGANICS/WATER/GCMS ORGANICS/WATER/GCMS	ORGANICS/WATER/GCMS ORGANICS/WATER/GCMS	ORGANICS/WATER/GCMS ORGANICS/WATER/GCMS	ORGANICS/WATER/GCMS ORGANICS/WATER/GCMS	ORGANICS/WATER/GCMS ORGANICS/WATER/GCMS
Contractor	ABB-ES ABB-ES	ABB-ES ABB-ES	ABB-ES ABB-ES	ABB-ES ABB-ES	ABB-ES ABB-ES	ABB-ES ABB-ES

TABLE 8
MATRIX SPIKE/MATRIX SPIKE DUPLICATE RESULTS
FT. DEVENS AGC 57

Contracto	Contractor Method Description	IRDMIS Method Code	Test Name	IRDMIS Site ID	IRDMIS Field Sample Number	r L	Sample Lot Date	Analysis Date	Spike Value	Value <	Original Sample Value Unit	Percent Recovery	RPD
			**************************************			; ; 1 ; ; ; ; ;	: : : : : : : : : :		1 1 1 1 1 1 1 1 1		1	4.0 4.0	
ABB-ES ABB-ES	ORGANICS/WATER/GCMS ORGANICS/WATER/GCMS	UM18 UM18	4NP 4NP ******** avg minimun maximun	57M-96-11X 57M-96-11X	MX5711XX MX5711XX	adv14*26 u adv14*26 u	ADV14*26 4DIO 27-MAY-98 16-JUN-98 ADV14*26 4DIO 27-MAY-98 16-JUN-98	16-JUN-98 16-JUN-98	100	12 <	12 UG. 12 UG.	222 222 000 000	0,0
ABB-ES ABB-ES	ORGANICS/WATER/GCMS ORGANICS/WATER/GCMS	UM18 UM18	ANAPNE ANAPNE ************************************	57M-96-11X 57M-96-11X	MX5711XX MX5711XX	adv14*26 w. adv14*26 w.	WDIO 27-MAY-98 WDIO 27-MAY-98	27-MAY-98 16-JUN-98 27-MAY-98 16-JUN-98	200	33 <	1.7 UGL 1.7 UGL	72.0 20.0 20.0 20.0 20.0	11.4
ABB-ES ABB-ES	ORGANICS/WATER/GCMS ORGANICS/WATER/GCMS	UM18 UM18	NNDNPA NNDNPA ********* avg minīmum	57M-96-11X 57M-96-11X	MX5711XX MX5711XX	Adv14*26 u. Adv14*26 u.	ADV14*26 4D10 27-MAY-98 16-JUN-98 ADV14*26 4D10 27-MAY-98 16-JUN-98	3 16-JUN-98 3 16-JUN-98	200	35 <	4.4 UGL 4.4 UGL -	78.0 70.0 74.0 78.0	10.8 10.8
ABB-ES ABB-ES	ORGANICS/WATER/GCMS ORGANICS/WATER/GCMS	UM18	PCP PCP ******** avg minimum	57M-96-11X 57M-96-11X	MX5711XX MX5711XX	ADV14*26 4D10 ADV14*26 4D10	010 27-MAY-98 010 27-MAY-98	3 16-JUN-98 3 16-JUN-98	100	> 9 9 9 8	18 UGL 18 UGL	56.0 56.0 56.0 60.0	6.9
ABB-ES ABB-ES	ORGANICS/WATER/GCMS ORGANICS/WATER/GCMS	UM18	PHENOL PHENOL ************************************	57M-96-11X 57M-96-11X	MX5711XX MX5711XX	Adv14*26 W Adv14*26 W	WDIO 27-MAY-98	3 16-JUN-98 1 16-JUN-98	100	9.2 < 9.2 <	9.2 UGL 9.2 UGL	666	o,o,

TABLE 8
MATRIX SPIKE/MATRIX SPIKE DUPLICATE RESULTS
FT. DEVENS AOC 57

RPD	5.3	25.2	7.5	2.0	0.0	6.1
Percent Recovery	78.0 74.0 76.0 74.0 78.0	88.0 89.0 88.0 90.0	98.0 94.0 96.0 94.0 98.0	100.0 98.0 99.0 98.0	94.0 94.0 94.0 94.0	102.0 96.0
Original Sample Value Unit	2.8 UGL 2.8 UGL	.5 UG.	.5 UG.	.5 UGL	.5. UGL 19U č.	3.7 UGL 3.7 UGL
Value <	37 <	45 × 44 ×	> <i>L</i> 7 > 67	50 < 49 <	> <i>L</i> 7 > <i>L</i> 7	51 48
Spike Value	50	50	20	50	200	200
Analysis Date	27-MAY-98 16-JUN-98 27-MAY-98 16-JUN-98	3 03-JUN-98 3 03-JUN-98	3 03- JUN-98 3 03- JUN-98	3 03-JUN-98 3 03-JUN-98	27-MAY-98 03-JUN-98 27-MAY-98 03-JUN-98	27-MAY-98 03-JUN-98 27-MAY-98 03-JUN-98
Sample Lot Date	ජි ජි 0 10	ADV1W*26 XDGV 27-MAY-98 03-JUN-98 ADV1W*26 XDGV 27-MAY-98 03-JUN-98	6 XDGV 27-MAY-98 (5 XDGV 27-MAY-98 (ADV14*26 XDGV 27-MAY-98 03-JUN-98 ADV14*26 XDGV 27-MAY-98 03-JUN-98	9 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	8 8 8 8 8
Lab Number	ADV14*26 1 ADV14*26 1	adv1u*2 adv1u*2	adv14*26 xdgv Adv14*26 xdgv	ADV1W*2 ADV1W*2	ADV14*26) ADV14*26)	ADV1₩*26 ADV1₩*26
IRDMIS Field Sample Number	IX MX5711XX IX MX5711XX	X MX5711XX	X MX5711XX X MX5711XX	X MX5711XX X MX5711XX	X MX5711XX X MX5711XX	X MX5711XX X MX5711XX
IRDMIS Site ID	57M-96-11X 57M-96-11X **	57M-96-11X 57M-96-11X **	57M-96-11X 57M-96-11X	57M-96-11X 57M-96-11X	57M-96-11X 57M-96-11X	57M-96-11X 57M-96-11X
Test	PYR PYR ********* avg minimum maximum	11DCE 11DCE ************************************	C6H6 C6H6 *************** avg minimum maximum	CLC6H5 CLC6H5 ************************************	MECGH5 MECGH5 ********** avg minimum maximum	TRCLE
IRDMIS Method Code	UM18 UM18	UMZO	UM20	UM20 UM20	UM20	UM20
Contractor Method Description	ORGANICS/WATER/GCMS ORGANICS/WATER/GCMS	VOLATILES/WATER/GCMS VOLATILES/WATER/GCMS	VOLATILES/WATER/GCMS VOLATILES/WATER/GCMS	VOLATILES/WATER/GCMS VOLATILES/WATER/GCMS	VOLATILES/WATER/GCMS VOLATILES/WATER/GCMS	VOLATILES/WATER/GCMS VOLATILES/WATER/GCMS
Contract	ABB-ES ABB-ES	ABB-ES ABB-ES	ABB-ES ABB-ES	ABB-ES ABB-ES	ABB-ES ABB-ES	ABB-ES ABB-ES

TABLE 8

MATRIX SPIKE/MATRIX SPIKE DUPLICATE RESULTS FT. DEVENS AOC 57

RPD	
Percent Recovery	99.0 96.0 102.0
IRDMIS Field Sample Analysis Spike Sample Percent Sample Lab Sample Analysis Spike Sample Percent Number Number Lot Date Date Value Value < Value Unit Recovery RPD	•
Value <	
Spike Value	
Analysis Date	
Sample A Lot Date D	
Lab	
IRDMIS Site ID	***
Test	******** avg minimum maximum
IRDMIS Method Code	
IRDMIS Method Test IRDMIS Contractor Method Description Code Name Site ID	

TABLE D-9

FIELD DUPLICATE RESULTS FILTERED SAMPLES FT. DEVENS AOC 57

Contractor	Contractor Method Description	IRDMIS Method Code	Test Name	IRD Fie IRDMIS Sam Site ID Num	IRDMIS Field Sample Number	Lab Number	s Lot D	Sample Date	Analysis Date	٧	Value Unit	RPD	Δ.
ABB-ES ABB-ES	METALS/WATER/ICP-MS METALS/WATER/ICP-MS	S303 S303	AS AS	57M-96-11X MD5711XX 57M-96-11X MX5711XX	711XX 711XX	ADV1W*29 OKNB ADV1W*27 OKNB		7-MAY-98 7-MAY-98	27-MAY-98 30-JUN-98 27-MAY-98 30-JUN-98		138 UGL 133 UGL	3.7	
ABB-ES ABB-ES	METALS/WATER/ICP METALS/WATER/ICP	SS18 SS18	BA BA	57M-96-11X MX5711XX 57M-96-11X MD5711XX	711XX	ADV14*27 OGHG 27-MAY-98 03-JUN-98 ADV14*29 OGHG 27-MAY-98 03-JUN-98	OGHG 2 OGHG 2	7-MAY-98 7-MAY-98	27-MAY-98 03-JUN-98 27-MAY-98 03-JUN-98	భ్ర బ్ల	9.2 UG. 8.8 UG.	7. 7	44
ABB-ES ABB-ES	METALS/WATER/ICP METALS/WATER/ICP	SS18 SS18	88	57M-96-11X MX5711XX 57M-96-11X MD5711XX	711XX	ADV1W*27 ADV1W*29	OGHG	7-MAY-98 7-MAY-98	27-MAY-98 03-JUN-98 27-MAY-98 03-JUN-98	× × ∞ ∞	5 UG 5 UG	77	00
ABB-ES ABB-ES	METALS/WATER/ICP METALS/WATER/ICP	SS18 SS18	W W	57M-96-11X MX5711XX 57M-96-11X MD5711XX	MX5711XX MD5711XX	ADV1W*27 ADV1W*29	OGHG	7-MAY-98 7-MAY-98	27-MAY-98 03-JUN-98 27-MAY-98 03-JUN-98	బ్లబ్ల	2660 UGL 2380 UGL	11.	
ABB-ES ABB-ES	METALS/WATER/ICP METALS/WATER/ICP	SS18 SS18	88 88	57M-96-11X MX5711XX 57M-96-11X MD5711XX	711XX	ADV1W*27 OGHG 27-MAY-98 03-JUN-98 ADV1W*29 OGHG 27-MAY-98 03-JUN-98	OGHG 2 OGHG 2	7-MAY-98 7-MAY-98	03-JUN-9	ა ა ა	50 UGL 50 UGL		00
ABB-ES ABB-ES	METALS/WATER/ICP METALS/WATER/ICP	SS18 SS18	88 88	57M-96-11X MX5711XX 57M-96-11X MD5711XX	711XX 711XX	ADV1W*27 OGHG 27-MAY-98 03-JUN-98 ADV1W*29 OGHG 27-MAY-98 03-JUN-98	OGHG 2 OGHG 2	7-MAY-98 7-MAY-98	03-JUN-9	۷ ۷ ش ش	50 UGL 50 UGL	-,-,	00
ABB-ES ABB-ES	METALS/WATER/ICP METALS/WATER/ICP	SS18 SS18	띯띯	57M-96-11X MX5711XX 57M-96-11X MD5711XX	711XX 711XX	ADV14*27 OGHG ADV14*29 OGHG	OGHG 2 OGHG 2	7-MAY-98 7-MAY-98	27-MAY-98 03-JUN-98 27-MAY-98 03-JUN-98	v v	50 UGL 50 UGL	00	00
ABB-ES ABB-ES	METALS/WATER/ICP METALS/WATER/ICP	SS18 SS18	N N	57M-96-11X MX5711XX 57M-96-11X MD5711XX	711xx 711xx	ADV14*27 OGHG 27-MAY-98 O3-JUN-98 < ADV14*29 OGHG 27-MAY-98 O3-JUN-98 <	OGHG 2 OGHG 2	7-MAY-98 7-MAY-98	03-JUN-9	∞ ∞ ν	35.8 UGL 35.8 UGL	00	00

TABLE D-10

FIELD DUPLICATE RESULTS UNFILTERED SAMPLES FT. DEVENS AOC 57

RPD	191.4	108.5 108.5	4.8 4.8 8.8	7.67 49.7	10.2	6.8 8.8	20.9 20.9	7.5	0.0	16.7 16.7	8.9
Value Unit		6170 UGG 1830 UGG	61.2 UGG 38.8 UGG	4.42 UGG 2.66 UGG	66.8 UGG 60.3 UGG	30.3 UGG 28.3 UGG	81.8 UGG 66.3 UGG	320 UGG 297 UGG	7.14 UGG 7.14 UGG	27.9 UGG 23.6 UGG	84.6 UGG 77.4 UGG
Lab Sample Analysis Number Lot Date o	E 27-MAY-98 02-JUN-98 E 27-MAY-98 02-JUN-98	LADV1S*7 ZERU 19-MAY-98 11-JUN-98 ADV1S*27 ZESU 19-MAY-98 16-JUN-98	LADV1S*7 PLYA 19-MAY-98 30-JUN-98 ADV1S*27 PLYA 19-MAY-98 30-JUN-98	LADV1S*7 PLYA 19-MAY-98 30-JUN-98 ADV1S*27 PLYA 19-MAY-98 30-JUN-98	LADV1S*7 UBZJ 19-MAY-98 03-JUN-98 ADV1S*27 UBZJ 19-MAY-98 03-JUN-98	LADV1S*7 UBZJ 19-MAY-98 03-JUN-98 < ADV1S*27 UBZJ 19-MAY-98 03-JUN-98 <	LADV1S*7 UBZJ 19-MAY-98 03-JUN-98 ADV1S*27 UBZJ 19-MAY-98 03-JUN-98	LADV1S*7 UBZJ 19-MAY-98 03-JUN-98 ADV1S*27 UBZJ 19-MAY-98 03-JUN-98			
IRDMIS Field IRDMIS Sample Site ID Number	57M-96-11X MX5711XX 57M-96-11X MD5711XX	57S-98-07X SX570700 57S-98-07X SD570700	57S-98-07X SX570700 57S-98-07X SD570700	57S-98-07X SX570700 57S-98-07X SD570700							
Test Name	TSS TSS	TPHC TPHC	AS AS	띯띯	BA BA	88	N W	88	SB SB	3 S	N.N.
IRDMIS Method Code	1602 1602	9071 9071	J301 J301	J301 J301	JS16 JS16	JS16 JS16	JS16 JS16	JS16 JS16	JS16 JS16	JS16 JS16	JS16 JS16
Contractor Method Description			METALS/SOIL/ICP-MS METALS/SOIL/ICP-MS	METALS/SOIL/ICP-MS METALS/SOIL/ICP-MS	METALS/SOIL/ICP METALS/SOIL/ICP	METALS/SOIL/ICP METALS/SOIL/ICP	METALS/SOIL/ICP METALS/SOIL/ICP	METALS/SOIL/ICP METALS/SOIL/ICP	METALS/SOIL/ICP METALS/SOIL/ICP	METALS/SOIL/ICP METALS/SOIL/ICP	METALS/SOIL/ICP METALS/SOIL/ICP
Contract	ABB-ES ABB-ES	ABB-ES ABB-ES	ABB-ES ABB-ES	ABB-ES ABB-ES	ABB-ES ABB-ES	ABB-ES ABB-ES	ABB-ES ABB-ES	ABB-ES ABB-ES	ABB-ES ABB-ES	ABB-ES ABB-ES	ABB-ES ABB-ES

FIELD DUPLICATE RESULTS UNFILTERED SAMPLES FT. DEVENS AOC 57

RPD	00	00	0.0	0.0	00	0.0	0.0	0.0	00	00	0.0	00
Value Unit	.00907 UGG .00907 UGG	.00133 UGG .00133 UGG	.00602 UGG .00602 UGG	.00729 UGG .00729 UGG	.00257 UGG .00257 UGG	.00663 UGG .00663 UGG	.00555 UGG .00555 UGG	.00629 UGG .00629 UGG	.00657 UGG .00657 UGG	.024 UGG	.024 UGG .024 UGG	.00763 UGG .00763 UGG
Analysis Date <	-98 29-JUN-98 <	-98 29-JUN-98 < -98 29-JUN-98 <	-98 29-JUN-98 < -98 29-JUN-98 <	-98 29-JUN-98 <	-98 29-JUN-98 <	-98 29-JUN-98 <	-98 29-JUN-98 <	19-MAY-98 29-JUN-98 < 19-MAY-98 29-JUN-98 <	-98 29-JUN-98 <	19-MAY-98 29-JUN-98 < 19-MAY-98 29-JUN-98 <	-98 29-JUN-98 <	-98 29-JUN-98 < -98 29-JUN-98 <
Sample Date	19-MAY-98	19-MAY-98 19-MAY-98	19-MAY-98 19-MAY-98	19-MAY-98 19-MAY-98	19-MAY-98 19-MAY-98	19-MAY-98 19-MAY-98	19-MAY-98 19-MAY-98	19-MAY-98 19-MAY-98	19-MAY-98 19-MAY-98	19-MAY-98 19-MAY-98	19-MAY-98 19-MAY-98	19-MAY-98 19-MAY-98
Lot	UFLG UFLG	7 UFLG 7 UFLG	7 UFLG 7 UFLG	7 UFLG 7 UFLG	7 UFLG 7 UFLG	7 UFLG 7 UFLG	7 UFLG 7 UFLG	7 UFLG 7 UFLG	7 UFLG 7 UFLG	7 UFLG	7 UFLG 7 UFLG	7 UFLG 7 UFLG
Lab Number	LADV1S*7 ADV1S*27	ADV1S*27 LADV1S*7	LADV1S*7 ADV1S*27	ADV1S*27 LADV1S*7	ADV1S*27 LADV1S*7	ADV1S*27 LADV1S*7	ADV1S*27 LADV1S*7	ADV1S*27 LADV1S*7	ADV1S*27 LADV1S*7	LADV1S*7 ADV1S*27	ADV15*27 LADV15*7	ADV15*27 LADV15*7
IRDMIS Field Sample Number	07X SX570700 07X SD570700	07X SD570700 07X SX570700	07X SX570700 07X SD570700	07X SD570700 07X SX570700	07X SD570700 07X SX570700	07X SD570700 07X SX570700	07X SD570700 07X SX570700	07X SD570700 07X SX570700	07X SD570700 07X SX570700	07X SX570700 07X SD570700	07X SD570700 07X SX570700	07X SD570700 07X SX570700
IRDMIS Site ID	57S-98-07X 57S-98-07X	57S-98-07X 57S-98-07X	57S-98-07X 57S-98-07X	57S-98-07X 57S-98-07X	57s-98-07X 57s-98-07X	57s-98-07X 57s-98-07X	57S-98-07X 57S-98-07X	57S-98-07X 57S-98-07X	57s-98-07X 57s-98-07X	57S-98-07X 57S-98-07X	57s-98-07X 57s-98-07X	57S-98-07X 57S-98-07X
Test Name	ABHC	ACLDAN ACLDAN	AENSLF AENSLF	ALDRN ALDRN	BBHC	BENSLF BENSLF	DBHC	DLDRN DLDRN	ENDRN	ENDRNA Endrna	ENDRNK ENDRNK	ESFSO4 ESFSO4
IRDMIS Method Code	LH10	LH10 LH10	LH10 LH10	LH10 LH10	LH10 LH10	LH10 LH10	LH10 LH10	LH10 LH10	LH10 LH10	LH10 LH10	LH10 LH10	LH10
	PESTICIDES/SOIL/GCEC PESTICIDES/SOIL/GCEC	PESTICIDES/SOIL/GCEC	PESTICIDES/SOIL/GCEC	PESTICIDES/SOIL/GCEC	PESTICIDES/SOIL/GCEC	PESTICIDES/SOIL/GCEC PESTICIDES/SOIL/GCEC	PESTICIDES/SOIL/GCEC	PESTICIDES/SOIL/GCEC PESTICIDES/SOIL/GCEC	PESTICIDES/SOIL/GCEC	PESTICIDES/SOIL/GCEC	PESTICIDES/SOIL/GCEC	PESTICIDES/SOIL/GCEC
Contracto	ABB-ES ABB-ES	ABB-ES ABB-ES	ABB-ES ABB-ES	ABB-ES ABB-ES	ABB-ES ABB-ES	ABB-ES ABB-ES	ABB-ES ABB-ES	ABB-ES ABB-ES	ABB-ES ABB-ES	ABB-ES ABB-ES	ABB-ES ABB-ES	ABB-ES ABB-ES

TABLE D-10
FIELD DUPLICATE RESULTS UNFILTERED SAMPLES
FT. DEVENS AOC 57

INVESTIGATION
FIELD
SUPPLEMENTAL
1998

RPD	0.0		o o	00	0.0		00	00	13.2	o.o.	0.0	0,
Value Unit	.00133 UGG	.00618 UGG .00618 UGG	.0062 UGG .0062 UGG	.00461 UGG .00461 UGG	.00638 UGG .00638 UGG	.0711 UGG .0711 UGG	.00826 UGG .00826 UGG	.00765 UGG .00765 UGG	.0713 UGG .0625 UGG	.444 UGG .444 UGG	990 9990. 990 9990.	.082 UGG
Lab Sample Analysis Number Lot Date <	UFLG	LADV1S*7 UFLG 19-MAY-98 29-JUN-98 < ADV1S*27 UFLG 19-MAY-98 29-JUN-98 <	ADV15*27 UFLG 19-MAY-98 29-JUN-98 < LADV15*7 UFLG 19-MAY-98 29-JUN-98 <	ADV15*27 UFLG 19-MAY-98 29-JUN-98 < LADV15*7 UFLG 19-MAY-98 29-JUN-98 <	ADV15*27 UFLG 19-MAY-98 29-JUN-98 < LADV15*7 UFLG 19-MAY-98 29-JUN-98 <	ADV15*27 UFLG 19-MAY-98 29-JUN-98 < LADV15*7 UFLG 19-MAY-98 29-JUN-98 <	LADV15*7 UFLG 19-MAY-98 29-JUN-98 < ADV15*27 UFLG 19-MAY-98 29-JUN-98 <	LADV15*7 UFLG 19-MAY-98 29-JUN-98 < ADV15*27 UFLG 19-MAY-98 29-JUN-98 <	LADV15*7 UFLG 19-MAY-98 29-JUN-98 ADV15*27 UFLG 19-MAY-98 29-JUN-98	ADV18*27 UFLG 19-MAY-98 29-JUN-98 < LADV18*7 UFLG 19-MAY-98 29-JUN-98 <	LADV15*7 NGII 19-MAY-98 04-JUN-98 < ADV15*27 NGII 19-MAY-98 04-JUN-98 <	ADV15*27 NGII 19-MAY-98 04-JUN-98 <
IRDMIS Field IRDMIS Sample Site ID Number	57S-98-07X SD570700 57S-98-07X SX570700	57S-98-07X SX570700 57S-98-07X SD570700	57S-98-07X SD570700 57S-98-07X SX570700	57S-98-07X SD570700 57S-98-07X SX570700	57s-98-07X SD570700 57s-98-07X SX570700	57S-98-07X SD570700 57S-98-07X SX570700	57s-98-07X SX570700 57s-98-07X SD570700	57S-98-07X SX570700 57S-98-07X SD570700	57S-98-07X SX570700 57S-98-07X SD570700	57S-98-07X SD570700 57S-98-07X SX570700	57S-98-07X SX570700 57S-98-07X SD570700	57S-98-07X SD570700
Test Name	GCLDAN	HPCL HPCL	HPCLE HPCLE	I SODR I SODR	LIN	MEXCLR	PPDDD PPDDD	PPDDE PPDDE	PPDDT PPDDT	TXPHEN TXPHEN	PCB016 PCB016	PCB221
IRDMIS Method Code	LH10	CH10 CH10	LH10 LH10	LH10	LH10 LH10	LH10 LH10	LH10 LH10	H19	LH10	LH10 LH10	LH16 LH16	LH16
Contractor Method Description	PESTICIDES/SOIL/GCEC PESTICIDES/SOIL/GCEC	PESTICIDES/SOIL/GCEC PESTICIDES/SOIL/GCEC	PESTICIDES/SOIL/GCEC PESTICIDES/SOIL/GCEC	PESTICIDES/SOIL/GCEC PESTICIDES/SOIL/GCEC	PESTICIDES/SOIL/GCEC PESTICIDES/SOIL/GCEC	PESTICIDES/SOIL/GCEC PESTICIDES/SOIL/GCEC	PESTICIDES/SOIL/GCEC PESTICIDES/SOIL/GCEC	PESTICIDES/SOIL/GCEC	PESTICIDES/SOIL/GCEC PESTICIDES/SOIL/GCEC	PESTICIDES/SOIL/GCEC PESTICIDES/SOIL/GCEC	PESTICIDES/SOIL/GCEC PESTICIDES/SOIL/GCEC	PESTICIDES/SOIL/GCEC
Contracto	ABB-ES ABB-ES	ABB-ES ABB-ES	ABB-ES ABB-ES	ABB-ES ABB-ES	ABB-ES ABB-ES	ABB-ES ABB-ES	ABB-ES ABB-ES	ABB-ES ABB-ES	ABB-ES ABB-ES	ABB-ES ABB-ES	ABB-ES ABB-ES	ABB-ES

FIELD DUPLICATE RESULTS UNFILTERED SAMPLES FT. DEVENS AOC 57

Contractor	Contractor Method Description	IRDMIS Method Code	Test Name	IRDMIS Site ID	IRDMIS Field Sample Number	Lab Number Lot	Sample of Date	Analysis Date <	Value Unit	RPD
ABB-ES	PESTICIDES/SOIL/GCEC	LH16	PCB221	57S-98-07X	SX570700	LADV1S*7 NG	NGII 19-MAY-98	19-MAY-98 04-JUN-98 <	.082 UGG	0
ABB-ES ABB-ES	PESTICIDES/SOIL/GCEC PESTICIDES/SOIL/GCEC	LH16 LH16	PCB232 PCB232	57s-98-07X 57s-98-07X	SD570700 SX570700	ADV15*27 NG LADV15*7 NG	NGII 19-MAY-98 NGII 19-MAY-98	19-MAY-98 04-JUN-98 < 19-MAY-98 04-JUN-98 <	.082 UGG .082 UGG	0.0
ABB-ES ABB-ES	PESTICIDES/SOIL/GCEC PESTICIDES/SOIL/GCEC	LH16 LH16	PCB242 PCB242	57S-98-07X 5	SD570700 SX570700	ADV15*27 NG LADV15*7 NG	NGII 19-MAY-98 NGII 19-MAY-98	19-MAY-98 04-JUN-98 < 19-MAY-98 04-JUN-98 <	.082 UGG .082 UGG	0.0
ABB-ES ABB-ES	PESTICIDES/SOIL/GCEC	LH16 LH16	PCB248 PCB248	57S-98-07X 57S-98-07X	SD570700 SX570700	ADV15*27 NG LADV15*7 NG	NGII 19-MAY-98 NGII 19-MAY-98	19-MAY-98 04-JUN-98 < 19-MAY-98 04-JUN-98 <	.082 UGG .082 UGG	o.o.
ABB-ES ABB-ES	PESTICIDES/SOIL/GCEC PESTICIDES/SOIL/GCEC	LH16 LH16	PCB254 PCB254	57S-98-07X \$	SD570700 SX570700	ADV15*27 NG LADV15*7 NG	NGII 19-MAY-98 NGII 19-MAY-98	19-MAY-98 04-JUN-98 < 19-MAY-98 04-JUN-98 <	.082 UGG .082 UGG	o o
ABB-ES ABB-ES	PESTICIDES/SOIL/GCEC PESTICIDES/SOIL/GCEC	LH16 LH16	PCB260 PCB260	575-98-07X 575-98-07X	SD570700 SX570700	ADV1S*27 NG LADV1S*7 NG	NGII 19-MAY-98 NGII 19-MAY-98	3 04-JUN-98 3 04-JUN-98	.581 UGG .466 UGG	22.0
ABB-ES ABB-ES	ORGANICS/SOIL/GCMS ORGANICS/SOIL/GCMS	LM18 LM18	124TCB 124TCB	57S-98-07X 8 57S-98-07X 8	SX570700 SD570700	LADV1S*7 OE ADV1S*27 OE	OEXL 19-MAY-98 OEXL 19-MAY-98	3 28-MAY-98 < 3 29-MAY-98 <	.2 UGG .04 UGG	133.3 133.3
ABB-ES ABB-ES	ORGANICS/SOIL/GCMS ORGANICS/SOIL/GCMS	LM18 LM18	120CLB 120CLB	57S-98-07X \$ 57S-98-07X \$	SX570700 SD570700	LADV1S*7 OE ADV1S*27 OE	OEXL 19-MAY-98 OEXL 19-MAY-98	\$ 28-MAY-98 < \$ 29-MAY-98 <	.6 UGG .11 UGG	138.0 138.0
ABB-ES ABB-ES	ORGANICS/SOIL/GCMS ORGANICS/SOIL/GCMS	LM18 LM18	130CLB 130CLB	575-98-07X \$ 575-98-07X	SX570700 SD570700	LADV1S*7 OE ADV1S*27 OE	OEXL 19-MAY-98 OEXL 19-MAY-98	3 28-MAY-98 < 3 29-MAY-98 <	.6 UGG .13 UGG	128.8
ABB-ES ABB-ES	ORGANICS/SOIL/GCMS ORGANICS/SOIL/GCMS	LM18 LM18	140CLB 140CLB	57S-98-07X S	SX570700 SD570700	LADV1S*7 OE ADV1S*27 OE	OEXL 19-MAY-98 OEXL 19-MAY-98	19-MAY-98 28-MAY-98 < 19-MAY-98 29-MAY-98 <	.5 UGG .098 UGG	134.4 134.4
ABB-ES ABB-ES	ORGANICS/SOIL/GCMS ORGANICS/SOIL/GCMS	LM18 LM18	245TCP 245TCP	57S-98-07X S	SX570700 SD570700	LADV1S*7 OE ADV1S*27 OE	OEXL 19-MAY-98 OEXL 19-MAY-98	19-MAY-98 28-MAY-98 < 19-MAY-98 29-MAY-98 <	.5 UGG .1 UGG	133.3 133.3
ABB-ES ABB-ES	ORGANICS/SOIL/GCMS ORGANICS/SOIL/GCMS	LM18 LM18	246TCP 246TCP	575-98-07X S 575-98-07X	SX570700 SD570700	LADV1S*7 OE ADV1S*27 OE	OEXL 19-MAY-98 OEXL 19-MAY-98	1 28-MAY-98 <	.8 UGG .17 UGG	129.9

TABLE D-10

Contractor	Contractor Method Description	IRDMIS Method Code	Test Name	IRDMIS Field IRDMIS Sample Site ID Number	VIS Id ole oer	Lab Number	S Lot D	Sample Date	Analysis Date <	Value Unit	RPD	
ABB-ES ABB-ES	ORGANICS/SOIL/GCMS ORGANICS/SOIL/GCMS	LM18 LM18	24DCLP 24DCLP	57S-98-07X SX57 57S-98-07X SD57	SX570700 SD570700	LADV1S*7 (ADV1S*27 (OEXL 1	19-MAY-98 7	28-MAY-98 < 29-MAY-98 <	.9 UGG .18 UGG	133.3 133.3	
ABB-ES ABB-ES	ORGANICS/SOIL/GCMS ORGANICS/SOIL/GCMS	LM18 LM18	24DMPN 24DMPN	57S-98-07X SX57 57S-98-07X SD57	SX570700 SD570700	LADV1S*7 (ADV1S*27 (OEXL 1	19-MAY-98 2	28-MAY-98 < 29-MAY-98 <	3 UGG .69 UGG	135.2 135.2	
ABB-ES ABB-ES	ORGANICS/SOIL/GCMS ORGANICS/SOIL/GCMS	LM18 LM18	24DNP 24DNP	57S-98-07X SX57 57S-98-07X SD57	sx570700 sp570700	LADV1S*7 (ADV1S*27 (OEXL 1	19-MAY-98 2	28-MAY-98 < 29-MAY-98 <	6 UGG 1.2 UGG	133.3 133.3	
ABB-ES ABB-ES	ORGANICS/SOIL/GCMS ORGANICS/SOIL/GCMS	LM18 LM18	24DNT 24DNT	57S-98-07X SX57 57S-98-07X SD57	SX570700 SD570700	LADV1S*7 (ADV1S*27 (OEXL 1 OEXL 1	19-MAY-98 2	28-MAY-98 < 29-MAY-98 <	.7 UGG .14 UGG	133.3 133.3	
ABB-ES ABB-ES	ORGANICS/SOIL/GCMS ORGANICS/SOIL/GCMS	LM18 LM18	26DNT 26DNT	57S-98-07X SX57 57S-98-07X SD57	SX570700 SD570700	LADV1S*7 (ADV1S*27 (OEXL 1 OEXL 1	19-MAY-98 2	28-MAY-98 < 29-MAY-98 <	.4 UGG .085 UGG	129.9 129.9	
ABB-ES ABB-ES	ORGANICS/SOIL/GCMS ORGANICS/SOIL/GCMS	LM18 LM18	2CLP 2CLP	57S-98-07X SX57 57S-98-07X SD57	SX570700 SD570700	LADV1S*7 (ADV1S*27 (OEXL 1	19-MAY-98 2	28-MAY-98 < 29-MAY-98 <	.3 UGG .06 UGG	133.3 133.3	
ABB-ES ABB-ES	ORGANICS/SOIL/GCMS ORGANICS/SOIL/GCMS	LM18 LM18	2CNAP 2CNAP	57S-98-07X SX57 57S-98-07X SD57	SX570700 SD570700	LADV1S*7 (ADV1S*27 (OEXL 1 OEXL 1	19-MAY-98 2	28-MAY-98 < 29-MAY-98 <	.2 UGG .036 UGG	139.0 139.0	
ABB-ES ABB-ES	ORGANICS/SOIL/GCMS ORGANICS/SOIL/GCMS	LM18 LM18	ZMNAP ZMNAP	57S-98-07X SX57 57S-98-07X SD57	SX570700 SD570700	LADV1S*7 (ADV1S*27 (OEXL 1	19-MAY-98 2	28-MAY-98 < 29-MAY-98 <	.2 UGG .049 UGG	121.3 121.3	
ABB-ES ABB-ES	ORGANICS/SOIL/GCMS ORGANICS/SOIL/GCMS	LM18 LM18	ZMP ZMP	57S-98-07X SX57 57S-98-07X SD57	SX570700 SD570700	LADV1S*7 (ADV1S*27 (OEXL 1	19-MAY-98 2	28-MAY-98 < 29-MAY-98 <	.1 UGG .029 UGG	110.1	
ABB-ES ABB-ES	ORGANICS/SOIL/GCMS ORGANICS/SOIL/GCMS	LM18 LM18	2NAN1L 2NAN1L	57S-98-07X SX57 57S-98-07X SD57	SX570700 SD570700	LADV1S*7 (ADV1S*27 (OEXL 1	19-MAY-98 2	28-MAY-98 < 29-MAY-98 <	.3 UGG .062 UGG	131.5 131.5	
ABB-ES ABB-ES	ORGANICS/SOIL/GCMS ORGANICS/SOIL/GCMS	LM18 LM18	ZNP ZNP	57S-98-07X SX57 57S-98-07X SD57	SX570700 SD570700	LADV15*7 (ADV15*27 (OEXL 1	19-MAY-98 2	28-MAY-98 < 29-MAY-98 <	.7 UGG .14 UGG	133.3 133.3	
ABB-ES	ORGANICS/SOIL/GCMS	LM18	33DCBD	57s-98-07X SX570700	00202	LADV1S*7 (OEXL 1	9-MAY-98 ;	19-MAY-98 28-MAY-98 <	30 UGG	130.6	

FIELD DUPLICATE RESULTS UNFILTERED SAMPLES FT. DEVENS AOC 57

RPD	130.6	126.5 126.5	138.0 138.0	143.3	132.6 132.6	136.1 136.1	143.3 143.3	122.6 122.6	132.0 132.0	133.3 133.3	163.6 163.6	139.0 139.0
Value Unit	6.3 UGG	2 UGG .45 UGG	3 UGG .55 UGG	.2 UGG .033 UGG	4 UGG .81 UGG	.5 UGG .095 UGG	.2 UGG .033 UGG	1 UGG .24 UGG	2 UGG .41 UGG	7 UGG 1.4 UGG	10 UGG 1 UGG	.2 UGG .036 UGG
Lab Sample Analysis Number Lot Date Date <	ADV15*27 OEXL 19-MAY-98 29-MAY-98 <	LADV15*7 OEXL 19-MAY-98 28-MAY-98 < ADV15*27 OEXL 19-MAY-98 29-MAY-98 <	LADV15*7 OEXL 19-MAY-98 28-MAY-98 < ADV15*27 OEXL 19-MAY-98 29-MAY-98 <	LADV15*7 OEXL 19-MAY-98 28-MAY-98 < ADV15*27 OEXL 19-MAY-98 29-MAY-98 <	LADV15*7 OEXL 19-MAY-98 28-MAY-98 < ADV15*27 OEXL 19-MAY-98 29-MAY-98 <	LADV15*7 OEXL 19-MAY-98 28-MAY-98 < ADV15*27 OEXL 19-MAY-98 29-MAY-98 <	LADV15*7 OEXL 19-MAY-98 28-MAY-98 < ADV15*27 OEXL 19-MAY-98 29-MAY-98 <	LADV15*7 OEXL 19-MAY-98 28-MAY-98 < ADV15*27 OEXL 19-MAY-98 29-MAY-98 <	LADV15*7 OEXL 19-MAY-98 28-MAY-98 < ADV15*27 OEXL 19-MAY-98 29-MAY-98 <	LADV15*7 OEXL 19-MAY-98 28-MAY-98 < ADV15*27 OEXL 19-MAY-98 29-MAY-98 <	LADV15*7 OEXL 19-MAY-98 28-MAY-98 ADV15*27 OEXL 19-MAY-98 29-MAY-98	LADV15*7 OEXL 19-MAY-98 28-MAY-98 < ADV15*27 OEXL 19-MAY-98 29-MAY-98 <
IRDMIS Field IRDMIS Sample Site ID Number	57S-98-07X SD570700	57S-98-07X SX570700 57S-98-07X SD570700	57S-98-07X SX570700 57S-98-07X SD570700	57S-98-07X SX570700 57S-98-07X SD570700	57S-98-07X SX570700 57S-98-07X SD570700	57S-98-07X SX570700 57S-98-07X SD570700	57S-98-07X SX570700 57S-98-07X SD570700	57S-98-07X SX570700 57S-98-07X SD570700	57S-98-07X SX570700 57S-98-07X SD570700	57S-98-07X SX570700 57S-98-07X SD570700	57S-98-07X SX570700 57S-98-07X SD570700	57S-98-07X SX570700 57S-98-07X SD570700
Test Name	330CBD	3NANIL 3NANIL	46DN2C 46DN2C	4BRPPE 4BRPPE	4CANIL 4CANIL	4CL3C	4CLPPE	4MP	4NANIL 4NANIL	dn4 4NP	ALPHPN ALPHPN	ANAPNE ANAPNE
IRDMIS Method Code	LM18	LM18 LM18 18										
Contractor Method Description	ORGANICS/SOIL/GCMS	ORGANICS/SOIL/GCMS ORGANICS/SOIL/GCMS GANICS/SOIL/GCMS ORGANICS/SOIL/GCMS										
Contractor	ABB-ES	ABB-ES ABB-ES B-ES ABB-ES										

FIELD DUPLICATE RESULTS UNFILTERED SAMPLES FT. DEVENS AOC 57

RPD	143.3	143.3	134.3 134.3	133.3 133.3	143.3 143.3	131.5 131.5	129.9 129.9	120.0 120.0	130.6	129.9 129.9	120.0 120.0	127.9
Value Unit	.2 UGG	.2 UGG	.3 UGG	1 UGG	.2 UGG	3 UGG	.8 UGG	1 UGG	1 UGG	.8 UGG	1 UGG	.3 UGG
	.033 UGG	.033 UGG	.059 UGG	.2 UGG	.033 UGG	.62 UGG	.17 UGG	.25 UGG	.21 UGG	.17 UGG	.25 UGG	.066 UGG
v	V V	v v	v v	v v	V V	v v	V V	v v	v v	v v	v v	V V
Analysis Date	28-MAY-98 29-MAY-98	28-MAY-98	28-MAY-98	28-MAY-98	28-MAY-98 29-MAY-98	28-MAY-98 29-MAY-98	28-MAY-98	28-MAY-98	28-MAY-98	28-MAY-98	28-MAY-98 29-MAY-98	28-MAY-98 29-MAY-98
Sample	19-MAY-98	19-MAY-98	19-MAY-98	19-MAY-98	19-MAY-98	19-MAY-98	19-MAY-98	19-MAY-98	19-MAY-98	19-MAY-98	19-MAY-98	19-MAY-98
Date	19-MAY-98	19-MAY-98	19-MAY-98	19-MAY-98	19-MAY-98	19-MAY-98	19-MAY-98	19-MAY-98	19-MAY-98		19-MAY-98	19-MAY-98
Lot	GENT .	OEXL	OEXL OEXL	OEXL	OEXL OEXL	OEXL OEXL	OEXL OEXL	CEX C	OEXL OEXL	OEXI.	OEXL	OEXI.
Lab	LADV1S*7	LADV1S*7	LADV1S*7	LADV1S*7	LADV1S*7	LADV1S*7	LADV1S*7	LADV1S*7	LADV1S*7	LADV1S*7	LADV1S*7	LADV1S*7
Number	ADV1S*27	ADV1S*27	ADV1S*27	ADV1S*27	ADV1S*27	ADV1S*27	ADV1S*27	ADV1S*27	ADV1S*27	ADV1S*27	ADV1S*27	ADV1S*27
IRDMIS Field Sample Number	SX570700 SD570700	SX570700 SD570700	SX570700 SD570700	SX570700 SD570700	SX570700 SD570700	SX570700 SD570700	SX570700 SD570700	SX570700 SD570700	SX570700 SD570700	SX570700 SD570700	SX570700 SD570700	SX570700 SD570700
IRDMIS	57S-98-07X	57S-98-07X	57S-98-07X	57s-98-07X	57S-98-07X	57S-98-07X	57S-98-07X	57S-98-07X	57S-98-07X	57S-98-07X	57S-98-07X	57s-98-07X
Site ID	57S-98-07X	57S-98-07X	57S-98-07X	57s-98-07X	57S-98-07X	57S-98-07X	57S-98-07X	57S-98-07X	57S-98-07X	57S-98-07X	57S-98-07X	57s-98-07X
Test	ANAPYL	ANTRC	B2CEXM	B2CIPE	B2CLEE	B2EHP	BAANTR	BAPYR	BB FANT	88ZP	BGHIPY	BKFANT
Name	ANAPYL		B2CEXM	B2CIPE	B2CLEE	B2EHP	BAANTR	BAPYR	BB FANT	88ZP	BGHIPY	BKFANT
IRDMIS Method Code	LM18	LM18 LM18	LM18 LM18	LM18 LM18	LM18 LM18	LM18 LM18	LM18 LM18	LM18 LM18	LM18 LM18	LM18 LM18	LM18 LM18	LM18 LM18
Contractor Method Description	ORGANICS/SOIL/GCMS	ORGANICS/SOIL/GCMS	ORGANICS/SOIL/GCMS	ORGANICS/SOIL/GCMS	ORGANICS/SOIL/GCMS	ORGANICS/SOIL/GCMS	ORGANICS/SOIL/GCMS	ORGANICS/SOIL/GCMS	ORGANICS/SOIL/GCMS	ORGANICS/SOIL/GCMS	ORGANICS/SOIL/GCMS	ORGANICS/SOIL/GCMS
	ORGANICS/SOIL/GCMS	ORGANICS/SOIL/GCMS	ORGANICS/SOIL/GCMS	ORGANICS/SOIL/GCMS	ORGANICS/SOIL/GCMS	ORGANICS/SOIL/GCMS	ORGANICS/SOIL/GCMS	ORGANICS/SOIL/GCMS	ORGANICS/SOIL/GCMS	ORGANICS/SOIL/GCMS	ORGANICS/SOIL/GCMS	ORGANICS/SOIL/GCMS
Contractor	ABB-ES	ABB-ES	ABB-ES	ABB-ES	ABB-ES	ABB-ES	ABB-ES	ABB-ES	ABB-ES	ABB-ES	ABB-ES	ABB-ES
	ABB-ES	ABB-ES	ABB-ES	ABB-ES	ABB-ES	ABB-ES	ABB-ES	ABB-ES	ABB-ES	ABB-ES	ABB-ES	ABB-ES

TABLE D-10

RPD	136.1 136.1	133.3 133.3	133.3 133.3	143.3	131.5	136.8 136.8	130.6 130.6	140.4 140.4	122.6 122.6	129.9 129.9	132.4 132.4	136.1
Value Unit	1 UGG .19 UGG	.7 UGG .14 UGG	.6 UGG .12 UGG	.2 UGG .033 UGG	30 UGG 6.2 UGG	.8 UGG .15 UGG	1 UGG .21 UGG	.2 UGG .035 UGG	1 UGG .24 UGG	.8 UGG .17 UGG	.3 UGG .061 UGG	1 066
Analysis Date <	-98 28-MAY-98 < -98 29-MAY-98 <	-98 28-MAY-98 < -98 29-MAY-98 <	-98 28-MAY-98 < -98 29-MAY-98 <	-98 28-MAY-98 < -98 29-MAY-98 <	-98 28-MAY-98 < -98 29-MAY-98 <	-98 28-MAY-98 < -98 29-MAY-98 <	-98 28-MAY-98 < -98 29-MAY-98 <	-98 28-MAY-98 < -98 29-MAY-98 <	-98 28-MAY-98 < -98 29-MAY-98 <	-98 28-MAY-98 < -98 29-MAY-98 <	-98 28-MAY-98 <	19-MAY-98 28-MAY-98 <
Sample Date	19-MAY-98 19-MAY-98											
Lot	7 OEXL 7 OEXL	7 OEXL										
Lab Number	LADV1S*7 ADV1S*27	LADV1S*7 OEXL										
IRDMIS Field Sample Number	SX570700 SD570700	\$\$570700 \$\$570700	\$\$\$70700 \$\$570700	\$\$\$70700 \$\$570700	\$\$570700 \$\$570700	(\$X570700 (\$0570700	\$\$\$70700 \$\$570700	(SX570700 (SD570700	(SX570700 (SD570700	(\$X570700 (\$0570700	(SX570700 (SD570700	57S-98-07X SX570700
IRDMIS Site ID	57S-98-07X 57S-98-07X	578-98-07										
Test	BZALC BZALC	CARBAZ CARBAZ	CHRY	28970 CL682	CL6CP CL6CP	CL6ET CL6ET	DBAHA DBAHA	DBZFUR DBZFUR	DEP DEP	DMP	DNBP DNBP	DNOP
IRDMIS Method Code	LM18 LM18	LM18										
Contractor Method Description	ORGANICS/SOIL/GCMS ORGANICS/SOIL/GCMS	ORGANICS/SOIL/GCMS ORGANICS/SOIL/GCMS	ORGANICS/SOIL/GCMS ORGANICS/SOIL/GCMS	ORGANICS/SOIL/GCMS ORGANICS/SOIL/GCMS	ORGANICS/SOIL/GCMS ORGANICS/SOIL/GCMS	ORGANICS/SOIL/GCMS ORGANICS/SOIL/GCMS	ORGANICS/SOIL/GÉMS ORGANICS/SOIL/GCMS	ORGANICS/SOIL/GCMS ORGANICS/SOIL/GCMS	ORGANICS/SOIL/GCMS ORGANICS/SOIL/GCMS	ORGANICS/SOIL/GCMS ORGANICS/SOIL/GCMS	ORGANICS/SOIL/GCMS ORGANICS/SOIL/GCMS	ORGANICS/SOIL/GCMS
Contractor	ABB-ES ABB-ES	ABB-ES										

TABLE D-10

Contractor	Contractor Method Description	IRDMIS Method Code	Test Name	IRDMIS Field Field Sample Site ID Number	Lab Number Lot	Sample t Date	Analysis Date	Value Unit	RPD
ABB-ES	ORGANICS/SOIL/GCMS	LM18	DNOP	57S-98-07X SD570700	ADV15*27	OEXL 19-MAY-98	8 29-MAY-98 <	. 19 UGG	136.1
ABB-ES	ORGANICS/SOIL/GCMS	LM18	FANT	57S-98-07X SX570700	LADV1S*7	OEXL 19-MAY-9	19-MAY-98 28-MAY-98 <	.3 UGG	126.1
ABB-ES	ORGANICS/SOIL/GCMS	LM18		57S-98-07X SD570700	ADV1S*27	OEXL 19-MAY-9	19-MAY-98 29-MAY-98 <	.068 UGG	126.1
ABB-ES	ORGANICS/SOIL/GCMS	LM18	FLRÈNE	57s-98-07X SX570700	LADV1S*7	OEXL 19-MAY-98	8 28-MAY-98 <	.2 UGG	143.3
ABB-ES	ORGANICS/SOIL/GCMS	LM18	FLRENE	57s-98-07X SD570700	ADV1S*27	OEXL 19-MAY-98	8 29-MAY-98 <	.033 UGG	
ABB-ES	ORGANICS/SOIL/GCMS	LM18	HG89	57S-98-07X SX570700	LADV1S*7	OEXL 19-MAY-98	8 28-MAY-98 <	1 UGG	125.2
ABB-ES	ORGANICS/SOIL/GCMS	LM18		57S-98-07X SD570700	ADV1S*27	OEXL 19-MAY-98	8 29-MAY-98 <	.23 UGG	125.2
ABB-ES	ORGANICS/SOIL/GCMS	LM18	ICDPYR	57S-98-07X SX570700	LADV1S*7	OEXL 19-MAY-98	8 28-MAY-98 <	1 UGG	110.1
ABB-ES	ORGANICS/SOIL/GCMS	LM18	ICDPYR	57S-98-07X SD570700	ADV1S*27	OEXL 19-MAY-98	8 29-MAY-98 <	.29 UGG	
ABB-ES	ORGANICS/SOIL/GCMS	LM18	I SOPHR	57S-98-07X SX570700	LADV1S*7	OEXL 19-MAY-98	8 28-MAY-98 <	.2 UGG	143.3
ABB-ES	ORGANICS/SOIL/GCMS	LM18	I SOPHR	57S-98-07X SD570700	ADV1S*27	OEXL 19-MAY-98	8 29-MAY-98 <	.033 UGG	
ABB-ES	ORGANICS/SOIL/GCMS	LM18	NAP	57S-98-07X SX570700	LADV1S*7	OEXL 19-MAY-98	8 28-MAY-98 <	.2 UGG	137.6
ABB-ES	ORGANICS/SOIL/GCMS	LM18	NAP	57S-98-07X SD570700	ADV1S*27	OEXL 19-MAY-98	8 29-MAY-98 <	.037 UGG	
ABB-ES	ORGANICS/SOIL/GCMS	LM18	S S	57S-98-07X SX570700	LADV1S*7	OEXL 19-MAY-98	19-MAY-98 28-MAY-98 <	.2 UGG	126.5
ABB-ES	ORGANICS/SOIL/GCMS	LM18		57S-98-07X SD570700	ADV1S*27	OEXL 19-MAY-98	19-MAY-98 29-MAY-98 <	.045 UGG	126.5
ABB-ES	ORGANICS/SOIL/GCMS	LM18	NNDNPA	57S-98-07X SX570700	LADV1S*7	OEXL 19-MAY-98	8 28-MAY-98 <	1 UGG	133.3
ABB-ES	ORGANICS/SOIL/GCMS	LM18	NNDNPA	57S-98-07X SD570700	ADV1S*27	OEXL 19-MAY-98	8 29-MAY-98 <	.2 UGG	
ABB-ES	ORGANICS/SOIL/GCMS	LM18	NNDPA	57S-98-07X SX570700	LADV1S*7	OEXL 19-MAY-98	8 28-MAY-98 <	1 UGG	136.1
ABB-ES	ORGANICS/SOIL/GCMS	LM18		57S-98-07X SD570700	ADV1S*27	OEXL 19-MAY-98	8 29-MAY-98 <	.19 UGG	136.1
ABB-ES	ORGANICS/SOIL/GCMS	LM18	5 5	57S-98-07X SX570700	LADV1S*7	OEXL 19-MAY-98	8 28-MAY-98 <	6 UGG	128.8
ABB-ES	ORGANICS/SOIL/GCMS	LM18		57S-98-07X SD570700	ADV1S*27	OEXL 19-MAY-98	8 29-MAY-98 <	1.3 UGG	128.8
ABB-ES	ORGANICS/SOIL/GCMS	LM18	PHANTR	57S-98-07X SX570700	LADV1S*7	OEXL 19-MAY-98	8 28-MAY-98 <	.2 UGG	143.3
ABB-ES	ORGANICS/SOIL/GCMS	LM18	PHANTR	57S-98-07X SD570700	ADV1S*27	OEXL 19-MAY-98	8 29-MAY-98 <	.033 UGG	

TABLE D-10

RPD	138.0 138.0	143.3	147.8 147.8	155.6 155.6	142.9	133.3 133.3	163.6 163.6	133.3 133.3	0.0	óó	o o	0.
Value Unit	.6 UGG .11 UGG	.2 UGG .033 UGG	20 UGG 3 UGG	40 UGG 5 UGG	30 UGG 5 UGG	20 UGG 4 UGG	20 UGG 2 UGG	20 UGG 4 UGG	.0044 UGG	.0054 UGG .0054 UGG	.0039 UGG .0039 UGG	.0023 UGG
Sample Analysis r Lot Date Date <	OEXL 19-MAY-98 2	S*7 OEXL 19-MAY-98 28-MAY-98 < *27 OEXL 19-MAY-98 29-MAY-98 <	S*7 OEXL 19-MAY-98 28-MAY-98 *27 OEXL 19-MAY-98 29-MAY-98	8*7 OEXL 19-MAY-98 28-MAY-98 *27 OEXL 19-MAY-98 29-MAY-98	8*7 DEXL 19-MAY-98 28-MAY-98 *27 DEXL 19-MAY-98 29-MAY-98	8*7 OEXL 19-MAY-98 28-MAY-98 *27 OEXL 19-MAY-98 29-MAY-98	S*7 OEXL 19-MAY-98 28-MAY-98 *27 OEXL 19-MAY-98 29-MAY-98	8*7 OEXL 19-MAY-98 28-MAY-98 *27 OEXL 19-MAY-98 29-MAY-98	S*7 YGOL 19-MAY-98 28-MAY-98 < *27 YGOL 19-MAY-98 29-MAY-98 <	*27 YGOL 19-MAY-98 29-MAY-98 < S*7 YGOL 19-MAY-98 28-MAY-98 <	*27 YGOL 19-MAY-98 29-MAY-98 < S*7 YGOL 19-MAY-98 28-MAY-98 <	ADV1S*27 YGOL 19-MAY-98 29-MAY-98 <
IRDMIS Field Field Lab Site ID Number Number	57S-98-07X SX570700 LADV1S*7 57S-98-07X SD570700 ADV1S*27	57S-98-07X SX570700 LADV1S*7 57S-98-07X SD570700 ADV1S*27	57S-98-07X SX570700 LADV1S*7 57S-98-07X SD570700 ADV1S*27	57S-98-07X SX570700 LADV1S*7 57S-98-07X SD570700 ADV1S*27	57S-98-07X SX570700 LADV1S*7 57S-98-07X SD570700 ADV1S*27	57S-98-07X SX570700 LADV1S*7 57S-98-07X SD570700 ADV1S*27	57S-98-07X SX570700 LADV1S*7 57S-98-07X SD570700 ADV1S*27	57S-98-07X SX570700 LADV1S*7 57S-98-07X SD570700 ADV1S*27	578-98-07X \$X570700 LADV1S*7 578-98-07X \$D570700 ADV1S*27	57S-98-07X SD570700 ADV1S*27 57S-98-07X SX570700 LADV1S*7	57S-98-07X SD570700 ADV1S*2 57S-98-07X SX570700 LADV1S*7	57S-98-07X SD570700 ADV1S
Test II Name S	PHENOL 5	PYR PYR 5	UNK651 5	UNK653 5	UNK659 5	UNK662 5	UNK663 5	UNK669 5	1111CE 5	112TCE 5	110CE 5	110CLE 5
IRDMIS Method Code	LM18	LM18 LM18	LM18 LM18	LM18	LM18 LM18	LM18 LM18	LM18 LM18	LM18 LM18	LM19 LM19	LM19 LM19	LM19 LM19	LM19
Contractor Method Description	ORGANICS/SOIL/GCMS ORGANICS/SOIL/GCMS	ORGANICS/SOIL/GCMS ORGANICS/SOIL/GCMS	ORGANICS/SOIL/GCMS ORGANICS/SOIL/GCMS	ORGANICS/SOIL/GCMS ORGANICS/SOIL/GCMS	ORGANICS/SOIL/GCMS ORGANICS/SOIL/GCMS	ORGANICS/SOIL/GCMS ORGANICS/SOIL/GCMS	ORGANICS/SOIL/GCMS ORGANICS/SOIL/GCMS	ORGANICS/SOIL/GCMS ORGANICS/SOIL/GCMS	VOLATILES/SOIL/GCMS	VOLATILES/SOIL/GCMS VOLATILES/SOIL/GCMS	VOLATILES/SOIL/GCMS VOLATILES/SOIL/GCMS	VOLATILES/SOIL/GCMS
Contracto	ABB-ES ABB-ES	ABB-ES ABB-ES	ABB-ES ABB-ES	ABB-ES ABB-ES	ABB-ES ABB-ES	ABB-ES ABB-ES	ABB-ES ABB-ES	ABB-ES ABB-ES	ABB-ES ABB-ES	ABB-ES ABB-ES	ABB-ES ABB-ES	ABB-ES

TABLE D-10

RPD	0	0.0	0.0	0.0	180.4 180.4	0.0	0.0	00	o'o'	0.0	ó.	o'o'
Value Unit	.0023 UGG	.003 UGG .003 UGG	.0017 UGG .0017 UGG	.0029 UGG .0029 UGG	.33 UGG .017 UGG	.0029 ugg .0029 ugg	.0032 UGG .0032 UGG	.032 UGG .032 UGG	.0062 UGG .0062 UGG	.012 UGG .012 UGG	.0015 UGG .0015 UGG	.0059 UGG .0059 UGG
Analysis Date <	19-MAY-98 28-MAY-98 <	19-MAY-98 29-MAY-98 < 19-MAY-98 28-MAY-98 <	19-MAY-98 29-MAY-98 < 19-MAY-98 28-MAY-98 <	19-MAY-98 29-MAY-98 < 19-MAY-98 28-MAY-98 <	98 28-MAY-98 98 29-MAY-98 <	19-MAY-98 29-MAY-98 < 19-MAY-98 28-MAY-98 <	98 29-MAY-98 < 98 28-MAY-98 <	19-MAY-98 29-MAY-98 < 19-MAY-98 28-MAY-98 <	19-MAY-98 29-MAY-98 < 19-MAY-98 28-MAY-98 <	19-may-98 29-may-98 < 19-may-98 28-may-98 <	98 29-MAY-98 < 98 28-MAY-98 <	19-MAY-98 29-MAY-98 < 19-MAY-98 28-MAY-98 <
Sample Date					19-MAY-98		. 19-MAY-98				. 19-MAY-98	
Lab Number Lot	LADV1S*7 YGOL	ADV1S*27 YGOL LADV1S*7 YGOL	ADV15*27 YGOL LADV15*7 YGOL	ADV1S*27 YGOL LADV1S*7 YGOL	LADV1S*7 YGOL ADV1S*27 YGOL	ADV1S*27 YGOL LADV1S*7 YGOL	ADV15*27 YGOL LADV15*7 YGOL	ADV1S*27 YGOL LADV1S*7 YGOL	ADV1S*27 YGOL LADV1S*7 YGOL	ADV1S*27 YGOL LADV1S*7 YGOL	ADV1S*27 YGOL LADV1S*7 YGOL	ADV15*27 YGOL LADV15*7 YGOL
IRDMIS Field Sample Number	7X SX570700	57S-98-07X SD570700 57S-98-07X SX570700	XX SD570700 XX SX570700	57S-98-07X SD570700 57S-98-07X SX570700	X SX570700 X SD570700	57S-98-07X SD570700 57S-98-07X SX570700	X SD570700 X SX570700	57S-98-07X SD570700 57S-98-07X SX570700	57S-98-07X SD570700 57S-98-07X SX570700	57S-98-07X SD570700 57S-98-07X SX570700	57S-98-07X SD570700 57S-98-07X SX570700	57S-98-07X \$D570700 57S-98-07X \$X570700
IRDMIS Site ID	57S-98-07X	57s-98-07X 57s-98-07X	57S-98-07X 57S-98-07X	57S-98-07X 57S-98-07X	57S-98-07X 57S-98-07X	57S-98-07X 57S-98-07X	57S-98-07X 57S-98-07X	57S-98-07X 57S-98-07X	57s-98-07X 57s-98-07X	57s-98-07X 57s-98-07X	57s-98-07X 57s-98-07X	57s-98-0 57s-98-0
Test Name	11DCLE	120GE 120GE	120CLE 120CLE	120CLP 120CLP	ACET ACET	BRDCLM BRDCLM	C130CP C130CP	C2AVE C2AVE	C2H3CL C2H3CL	C2H5CL C2H5CL	9H92 С6H6	CCL3F CCL3F
IRDMIS Method Code	LM19	LM19 LM19	LM19 LM19	LM19 LM19	LM19 LM19	LM19 LM19	LM19 LM19	LM19 LM19	LM19 LM19	LM19 LM19	LM19 LM19	LM19 LM19
Contractor Method Description	VOLATILES/SOIL/GCMS	VOLATILES/SOIL/GCMS VOLATILES/SOIL/GCMS	VOLATILES/SOIL/GCMS VOLATILES/SOIL/GCMS.	VOLATILES/SOIL/GCMS VOLATILES/SOIL/GCMS	VOLATILES/SOIL/GCMS VOLATILES/SOIL/GCMS	VOLATILES/SOIL/GCMS VOLATILES/SOIL/GCMS	VOLATILES/SOIL/GCMS VOLATILES/SOIL/GCMS	VOLATILES/SOIL/GCMS VOLATILES/SOIL/GCMS	VOLATILES/SOIL/GCMS VOLATILES/SOIL/GCMS	VOLATILES/SOIL/GCMS VOLATILES/SOIL/GCMS	VOLATILES/SOIL/GCMS VOLATILES/SOIL/GCMS	VOLATILES/SOIL/GCMS VOLATILES/SOIL/GCMS
Contracto	ABB-ES	ABB-ES ABB-ES	ABB-ES ABB-ES	ABB-ES ABB-ES	ABB-ES ABB-ES	ABB-ES ABB-ES	ABB-ES ABB-ES	ABB-ES ABB-ES	ABB-ES ABB-ES	ABB-ES ABB-ES	ABB-ES ABB-ES	ABB-ES ABB-ES

TABLE D-10

RPD	0.0	00	00	00	0.0	öö	00	0.0	o.o.	0.0		00
Value Unit	.007 UGG .007 UGG	.012 UGG .012 UGG	.0057 UGG .0057 UGG	.0088 UGG	.0069 UGG .0069 UGG	.00087 UGG .00087 UGG	.00086 UGG .00086 UGG	.0044 UGG	.0031 UGG .0031 UGG	.0017 UGG	.00078 UGG .00078 UGG	.07 UGG .07 UGG
Sample Analysis Date Date <	19-MAY-98 29-MAY-98 < 19-MAY-98 28-MAY-98 <	19-MAY-98 29-MAY-98 < 19-MAY-98 28-MAY-98 <	19-MAY-98 29-MAY-98 < 19-MAY-98 28-MAY-98 <	19-MAY-98 29-MAY-98 < 19-MAY-98 28-MAY-98 <	19-MAY-98 29-MAY-98 < 19-MAY-98 28-MAY-98 <	19-MAY-98 29-MAY-98 < 19-MAY-98 28-MAY-98 <	19-MAY-98 29-MAY-98 < 19-MAY-98 28-MAY-98 <	19-MAY-98 29-MAY-98 < 19-MAY-98 28-MAY-98 <	19-MAY-98 29-MAY-98 < 19-MAY-98 28-MAY-98 <	19-MAY-98 28-MAY-98 < 19-MAY-98 29-MAY-98 <	19-MAY-98 28-MAY-98 < 19-MAY-98 29-MAY-98 <	19-may-98 29-may-98 < 19-may-98 28-may-98 <
_ ;	ADV1S*27 YGOL LADV1S*7 YGOL	ADV15*27 YGOL LADV15*7 YGOL	ADV1S*27 YGOL LADV1S*7 YGOL	ADV1S*27 YGOL LADV1S*7 YGOL	ADV15*27 YGOL LADV15*7 YGOL	ADV1S*27 YGOL LADV1S*7 YGOL	ADV1S*27 YGOL LADV1S*7 YGOL	ADV15*27 YGOL LADV15*7 YGOL	ADV15*27 YGOL LADV15*7 YGOL	LADV1S*7 YGOL ADV1S*27 YGOL	LADV1S*7 YGOL ADV1S*27 YGOL	ADV1S*27 YGOL LADV1S*7 YGOL
IRDMIS Field IRDMIS Sample Site ID Number	57S-98-07X SD570700 57S-98-07X SX570700	57s-98-07X SD570700 57s-98-07X SX570700	57S-98-07X SD570700 57S-98-07X SX570700	57S-98-07X SD570700 57S-98-07X SX570700	57S-98-07X SD570700 57S-98-07X SX570700	57S-98-07X SD570700 57S-98-07X SX570700	57s-98-07X SD570700 57s-98-07X SX570700	57S-98-07X SD570700 57S-98-07X SX570700	57S-98-07X SD570700 57S-98-07X SX570700	57S-98-07X SX570700 57S-98-07X SD570700	57S-98-07X SX570700 57S-98-07X SD570700	57s-98-07X SD570700 57s-98-07X SX570700
Test Name	CCL4 CCL4	CH2CL2 CH2CL2	CH3BR CH3BR	CH3CL CH3CL	CHBR3 CHBR3	CHCL3 CHCL3	CLC6H5 CLC6H5	cs2 cs2	DBRCLM DBRCLM	ETC6H5 ETC6H5	MEC6H5 MEC6H5	Ä Ä
IRDMIS Method Code	LM19 LM19											
contractor Method Description	VOLATILES/SOIL/GCMS VOLATILES/SOIL/GCMS	VOLATILES/SOIL/GCMS VOLATILES/SOIL/GCMS										
Contractor	ABB-ES ABB-ES											

TABLE D-10

Contracto	Contractor Method Description	IRDMIS Method Code	Test Name	IRDMIS Site ID	IRDMIS Field Sample Number	Lab Number	Sample Lot Date	1	Analysis Date <	Value Unit	RPD
ABB-ES ABB-ES	VOLATILES/SOIL/GCMS VOLATILES/SOIL/GCMS	LM19 LM19	MIBK MIBK	57s-98-07X 57s-98-07X	SD570700 SX570700	ADV1S*27 YGOL LADV1S*7 YGOL		19-MAY-98 29 19-MAY-98 28	29-MAY-98 < 28-MAY-98 <	.027 UGG .027 UGG	00
ABB-ES ABB-ES	VOLATILES/SOIL/GCMS VOLATILES/SOIL/GCMS	LM19 LM19	MNBK	57S-98-07X 57S-98-07X	SD570700 SX570700	ADV1S*27 YGOL LADV1S*7 YGOL		19-MAY-98 25 19-MAY-98 28	29-MAY-98 < 28-MAY-98 <	.032 UGG .032 UGG	o.o.
ABB-ES ABB-ES	VOLATILES/SOIL/GCMS VOLATILES/SOIL/GCMS	LM19 LM19	STYR	57S-98-07X 57S-98-07X	SX570700 SD570700	LADV1S*7 \ ADV1S*27 \	YGOL 19-MA YGOL 19-MA	19-MAY-98 28 19-MAY-98 28	28-MAY-98 < 29-MAY-98 <	.0026 UGG .0026 UGG	öö
ABB-ES ABB-ES	VOLATILES/SOIL/GCMS VOLATILES/SOIL/GCMS	LM19 LM19	1130CP 1130CP	57S-98-07X 57S-98-07X	SX570700 SD570700	LADV15*7) ADV15*27)	YGOL 19-MA YGOL 19-MA	19-MAY-98 28 19-MAY-98 29	28-MAY-98 < 29-MAY-98 <	.0028 UGG .0028 UGG	00
ABB-ES ABB-ES	VOLATILES/SDIL/GCMS VOLATILES/SDIL/GCMS	LM19 LM19	TCLEA TCLEA	57S-98-07X 57S-98-07X	SX570700 SD570700	LADV1S*7 YGOL ADV1S*27 YGOL		19-MAY-98 28 19-MAY-98 29	19-MAY-98 28-MAY-98 < 19-MAY-98 29-MAY-98 <	.0024 UGG .0024 UGG	o.o.
ABB-ES ABB-ES	VOLATILES/SOIL/GCMS VOLATILES/SOIL/GCMS	LM19 LM19	TCLEE	57S-98-07X 57S-98-07X	SX570700 SD570700	LADV1S*7 YGOL ADV1S*27 YGOL		19-MAY-98 28 19-MAY-98 29	28-MAY-98 < 29-MAY-98 <	.00081 UGG	öö
ABB-ES ABB-ES	VOLATILES/SOIL/GCMS VOLATILES/SOIL/GCMS	LM19 LM19	TRCLE	57S-98-07X 57S-98-07X	SX570700 SD570700	LADV1S*7 YGOL ADV1S*27 YGOL		19-MAY-98 28 19-MAY-98 25	28-MAY-98 < 29-MAY-98 <	.0028 UGG .0028 UGG	óó
ABB-ES ABB-ES	VOLATILES/SOIL/GCMS VOLATILES/SOIL/GCMS	LM19 LM19	XYLEN	57s-98-07X 57s-98-07X	SD570700 SX570700	ADV15*27) LADV15*7)	YGOL 19-MA YGOL 19-MA	19-MAY-98 29 19-MAY-98 28	29-MAY-98 < 28-MAY-98 <	.0015 UGG .0015 UGG	0.0
ABB-ES ABB-ES	METALS/WATER/ICP-MS METALS/WATER/ICP-MS	\$303 \$303	AS AS	57M-96-11X MX5711XX 57M-96-11X MD5711XX	MX5711XX MD5711XX	Adv1u*26 okpb 27-may-98 12-aug-98 Adv1u*28 okpb 27-may-98 12-aug-98	XPB 27-MA XXPB 27-MA	27-MAY-98 12 27-MAY-98 12	:-AUG-98 :-AUG-98	84.4 UGL 83.6 UGL	1.0
ABB-ES ABB-ES	METALS/WATER/ICP METALS/WATER/ICP	SS18 SS18	BA BA	57M-96-11X MD5711XX 57M-96-11X MX5711XX	MD5711XX MX5711XX	ADV1W*28 C ADV1W*26 C	OGHG 27-MA OGHG 27-MA	27-MAY-98 03 27-MAY-98 03	03-JUN-98 03-JUN-98	41,8 ug. 18 ug.	9.6 79.6
ABB-ES ABB-ES	METALS/WATER/ICP METALS/WATER/ICP	SS18 SS18	33	57M-96-11X 57M-96-11X	MD5711XX MX5711XX	ADV14*28 C ADV14*26 C	oghg 27-ma oghg 27-ma	27-MAY-98 03 27-MAY-98 03	03-JUN-98 03-JUN-98 <	8.54 UGL 5 UGL	52.3 52.3

TABLE D-10

Contractor	Contractor Method Description	IRDMIS Method Code	Test Name	IRDMIS Site ID	IRDMIS Field Sample Number	Lab Number	Sa Lot Da	Sample Date	Analysis Date	* !	Value Unit	RPD
ABB-ES ABB-ES	METALS/WATER/ICP METALS/WATER/ICP	SS18 SS18	W W	57M-96-11X MX5711XX 57M-96-11X MD5711XX	MX5711XX MD5711XX	ADV14*26 ADV14*28	OGHG 27 OGHG 27	27-MAY-98 27-MAY-98	03-JUN-98 03-JUN-98	m m	2640 UGL 2460 UGL	7.1
ABB-ES ABB-ES	METALS/WATER/ICP METALS/WATER/ICP	SS18 SS18	8 8	57M-96-11X MX5711XX 57M-96-11X MD5711XX	MX5711XX MD5711XX	ADV1W*26 ADV1W*28	OGHG 27 OGHG 27	27-MAY-98 27-MAY-98	03-JUN-98 03-JUN-98	v v	50 UGL 50 UGL	00
ABB-ES ABB-ES	METALS/WATER/ICP METALS/WATER/ICP	SS18 SS18	88 88 88 88	57M-96-11X 57M-96-11X	MD5711XX MX5711XX	ADV1₩*28 ADV1₩*26	OGHG 27 OGHG 27	27-MAY-98 27-MAY-98	03-JUN-98 03-JUN-98	v v	50 UGL 50 UGL	00
ABB-ES ABB-ES	METALS/WATER/ICP METALS/WATER/ICP	SS18 SS18	35 ES	57M-96-11X 57M-96-11X	MD5711XX MX5711XX	ADV1W*28 ADV1W*26	OGHG 27 OGHG 27	27-MAY-98 27-MAY-98	03-JUN-98 03-JUN-98	v v	50 UGL 50 UGL	99
ABB-ES ABB-ES	METALS/WATER/ICP METALS/WATER/ICP	SS18 SS18	ZN ZN	57M-96-11X 57M-96-11X	MD5711XX MX5711XX	ADV14*28 ADV14*26	ОСНС 27 ОСНС 27	27-MAY-98 27-MAY-98	03-JUN-98 03-JUN-98	v v	35.8 UGL 35.8 UGL	0.0
ABB-ES ABB-ES	PESTICIDES/WATER/GCEC PESTICIDES/WATER/GCEC	UH02 UH02	PCB016 PCB016	57M-96-11X MX5711XX 57M-96-11X MD5711XX	MX5711XX MD5711XX	ADV1W*26 ADV1W*28	SDWG 27 SDWG 27	27-MAY-98 27-MAY-98	27-MAY-98 24-JUN-98 27-MAY-98 24-JUN-98	V V	.16 UGL .16 UGL	0.0
ABB-ES ABB-ES	PESTICIDES/WATER/GCEC PESTICIDES/WATER/GCEC	UH02 UH02	PCB221 PCB221	57M-96-11X MD5711XX 57M-96-11X MX5711XX	MD5711XX MX5711XX	ADV1W*28 ADV1W*26	SDMG 27 SDMG 27	-MAY-98 -MAY-98	27-MAY-98 24-JUN-98 27-MAY-98 24-JUN-98	v v	.16 UGL .16 UGL	
ABB-ES ABB-ES	PESTICIDES/WATER/GCEC PESTICIDES/WATER/GCEC	UH02 UH02	PCB232 PCB232	57M-96-11X 57M-96-11X	MX5711XX MD5711XX	ADV1W*26 ADV1W*28	SPAG	27-MAY-98 27-MAY-98	27-MAY-98 24-JUN-98 27-MAY-98 24-JUN-98	v v	.16 UGL .16 UGL	00
ABB-ES ABB-ES	PESTICIDES/WATER/GCEC PESTICIDES/WATER/GCEC	UH02 UH02	PCB242 PCB242	57M-96-11X MX5711XX 57M-96-11X MD5711XX	MX5711XX MD5711XX	ADV1W*26 ADV1W*28	SDWG 27 SDWG 27	27-MAY-98 27-MAY-98	27-MAY-98 24-JUN-98 27-MAY-98 24-JUN-98	v v	.19 UGL .19 UGL	00
ABB-ES ABB-ES	PESTICIDES/WATER/GCEC	UH02 UH02	PCB248 PCB248	57M-96-11X 57M-96-11X	MX5711XX MD5711XX	ADV1W*26 ADV1W*28	SDWG 27 SDWG 27	27-MAY-98 27-MAY-98 2	24-JUN-98 24-JUN-98	v v	.19 UGL .19 UGL	o o
ABB-ES ABB-ES	PESTICIDES/WATER/GCEC PESTICIDES/WATER/GCEC	UH02 UH02	PCB254 PCB254	57M-96-11X 57M-96-11X	MD5711XX MX5711XX	ADV1W*28 ADV1W*26	SDMC	27-MAY-98 27-MAY-98	27-MAY-98 24-JUN-98 27-MAY-98 24-JUN-98	v v	. 19 UGL . 19 UGL	00

TABLE D-10

RPD	0.0	0.0	00	0.0	00	00	o o	óö	0.0	0.0		0.
Value Unit	. 19 UGL . 19 UGL	.0385 UGL	.075 UGL .075 UGL	.023 UGL .023 UGL	.0918 UGL .0918 UGL	.024 UGL .024 UGL	.023 UGL	.0293 UGL .0293 UGL	.024 UGL .024 UGL	.0238 UGL .0238 UGL	.0285 UGL .0285 UGL	.0285 UGL
Lab Sample Analysis Number Lot Date Date	ADV14#28 SDWG 27-MAY-98 24-JUN-98 < ADV14#26 SDWG 27-MAY-98 24-JUN-98 <	Adv14*26 tdo1 27-may-98 27-jun-98 < Adv14*28 tdo1 27-may-98 28-jun-98 <	ADV1W*28 TD01 27-MAY-98 28-JUN-98 < ADV1W*26 TD01 27-MAY-98 27-JUN-98 <	ADV1W*28 TD01 27-MAY-98 28-JUN-98 < ADV1W*26 TD01 27-MAY-98 27-JUN-98 <	ADV1W*26 TDOI 27-MAY-98 27-JUN-98 < ADV1W*28 TDOI 27-MAY-98 28-JUN-98 <	ADV1W*26 TD01 27-MAY-98 27-JUN-98 < ADV1W*28 TD01 27-MAY-98 28-JUN-98 <	ADV1W*26 TD01 27-MAY-98 27-JUN-98 < ADV1W*28 TD01 27-MAY-98 28-JUN-98 <	ADV1W*28 TDOI 27-MAY-98 28-JUN-98 < ADV1W*26 TDOI 27-MAY-98 27-JUN-98 <	ADV14*28 TD01 27-MAY-98 28-JUN-98 < ADV14*26 TD01 27-MAY-98 27-JUN-98 <	ADV14*28 TD01 27-MAY-98 28-JUN-98 < ADV14*26 TD01 27-MAY-98 27-JUN-98 <	ADV1W*28 TD01 27-MAY-98 28-JUN-98 < ADV1W*26 TD01 27-MAY-98 27-JUN-98 <	ADV14*28 TD01 27-MAY-98 28-JUN-98 <
IRDMIS Field IRDMIS Sample Site ID Number	57M-96-11X MD5711XX 57M-96-11X MX5711XX	57M-96-11X MX5711XX 57M-96-11X MD5711XX	57M-96-11X MD5711XX 57M-96-11X MX5711XX	57M-96-11X MD5711XX 57M-96-11X MX5711XX	57M-96-11X MX5711XX 57M-96-11X MD5711XX	57M-96-11X MX5711XX 57M-96-11X MD5711XX	57M-96-11X MX5711XX 57M-96-11X MD5711XX	57M-96-11X MD5711XX 57M-96-11X MX5711XX	57M-96-11X MD5711XX 57M-96-11X MX5711XX	57M-96-11X MD5711XX 57M-96-11X MX5711XX	57M-96-11X MD5711XX 57M-96-11X MX5711XX	57M-96-11X MD5711XX
Test Name	PCB260 PCB260	ABHC ABHC	ACLDAN ACLDAN	AENSL F AENSL F	ALDRN ALDRN	BBHC	BENSLF BENSLF	DBHC	DLDRN DLDRN	ENDRN Endrn	ENDRNA Endrna	ENDRNK
IRDMIS Method Code	. UH02 UH02	UH13 UH13	UH13 UH13	UH13 UH13	UH13 UH13	UH13 UH13	UH13 UH13	UH13 UH13	UH13 UH13	UH13 UH13	UH13 UH13	UH13
Contractor Method Description	PESTICIDES/WATER/GCEC PESTICIDES/WATER/GCEC	PESTICIDES/WATER/GCEC PESTICIDES/WATER/GCEC	PESTICIDES/WATER/GCEC PESTICIDES/WATER/GCEC	PESTICIDES/WATER/GCEC PESTICIDES/WATER/GCEC	PESTICIDES/WATER/GCEC PESTICIDES/WATER/GCEC	PESTICIDES/WATER/GCEC PESTICIDES/WATER/GCEC	PESTICIDES/WATER/GCEC PESTICIDES/WATER/GCEC	PESTICIDES/WATER/GCEC PESTICIDES/WATER/GCEC	PESTICIDES/WATER/GCEC PESTICIDES/WATER/GCEC	PESTICIDES/WATER/GCEC PESTICIDES/WATER/GCEC	PESTICIDES/WATER/GCEC PESTICIDES/WATER/GCEC	PESTICIDES/WATER/GCEC
Contracto	ABB-ES	ABB-ES ABB-ES	ABB-ES ABB-ES	ABB-ES ABB-ES	ABB-ES ABB-ES	ABB-ES ABB-ES	ABB-ES ABB-ES	ABB-ES ABB-ES	ABB-ES ABB-ES	ABB-ES ABB-ES	ABB-ES ABB-ES	ABB-ES

TABLE D-10

RPD	0.	o o	oʻo.	0.0	<u>.</u> .	٠ <u>٠</u>	o o	0.0	00	0.0	00	óó
Value Unit	.0285 UGL	.0786 UGL .0786 UGL	.075 UGL	.0423 UGL .0423 UGL	.0245 UGL .0245 UGL	.0562 UGL .0562 UGL	.0507 UGL .0507 UGL	.057 UGL .057 UGL	.0233 UGL .0233 UGL	.027 UGL .027 UGL	.034 VGL	1.35 UGL 1.35 UGL
Lab Sample Analysis Number Lot Date Oate <	ADV14*26 TD01 27-MAY-98 27-JUN-98 <	ADV14*28 TD01 27-MAY-98 28-JUN-98 < ADV14*26 TD01 27-MAY-98 27-JUN-98 <	ADV14*28 TD01 27-MAY-98 28-JUN-98 < ADV14*26 TD01 27-MAY-98 27-JUN-98 <	ADV14*28 TD01 27-MAY-98 28-JUN-98 < ADV14*26 TD01 27-MAY-98 27-JUN-98 <	ADV14*28 TD01 27-MAY-98 28-JUN-98 < ADV14*26 TD01 27-MAY-98 27-JUN-98 <	ADV14*28 TD01 27-MAY-98 28-JUN-98 < ADV14*26 TD01 27-MAY-98 27-JUN-98 <	ADV14*28 TD01 27-MAY-98 28-JUN-98 < ADV14*26 TD01 27-MAY-98 27-JUN-98 <	ADV14*28 TD01 27-MAY-98 28-JUN-98 < ADV14*26 TD01 27-MAY-98 27-JUN-98 <	ADV14"28 TD01 27-MAY-98 28-JUN-98 < ADV14"26 TD01 27-MAY-98 27-JUN-98 <	ADV14*28 TD01 27-MAY-98 28-JUN-98 < ADV14*26 TD01 27-MAY-98 27-JUN-98 <	ADV14*28 TD01 27-MAY-98 28-JUN-98 < ADV14*26 TD01 27-MAY-98 27-JUN-98 <	ADV14*28 TD01 27-MAY-98 28-JUN-98 < ADV14*26 TD01 27-MAY-98 27-JUN-98 <
IRDMIS Field IRDMIS Sample Site ID Number	57M-96-11X MX5711XX	57M-96-11X MD5711XX 57M-96-11X MX5711XX	57M-96-11X MD5711XX 57M-96-11X MX5711XX	57M-96-11X MD5711XX 57M-96-11X MX5711XX	57M-96-11X MD5711XX 57M-96-11X MX5711XX	57M-96-11X MD5711XX 57M-96-11X MX5711XX	57M-96-11X MD5711XX 57M-96-11X MX5711XX	57M-96-11X MD5711XX 57M-96-11X MX5711XX	57M-96-11X MD5711XX 57M-96-11X MX5711XX	57M-96-11X MD5711XX 57M-96-11X MX5711XX	57M-96-11X MD5711XX 57M-96-11X MX5711XX	57M-96-11X MD5711XX 57M-96-11X MX5711XX
Test Name	ENDRNK	ESFSO4 ESFSO4	GCLDAN	HPCL HPCL	HPCLE HPCLE	I SOOR I SOOR	LIN	MEXCLR MEXCLR	PPDDD PPDDD	PPDDE PPDDE	PPDDT PPDDT	TXPHEN TXPHEN
IRDMIS Method Code	UH13	UH13 UH13										
· Method Description	PESTICIDES/WATER/GCEC	PESTICIDES/WATER/GCEC PESTICIDES/WATER/GCEC										
Contractor	ABB-ES	ABB-ES ABB-ES										

FIELD DUPLICATE RESULTS UNFILTERED SAMPLES FT. DEVENS AOC 57

RPD	o o	48.5 48.5	o o	45.5 45.5	0.0	o.o.	o.o.	óó	o o	o o	o o	٥.
Value Unit	1.8 UGL 1.8 UGL	6.4 UGL 3.9 UGL	1.7 UGL 1.7 UGL	2.7 UGL 1.7 UGL	5.2 UGL 5.2 UGL	4.2 UGL 4.2 UGL	2.9 UGL 2.9 UGL	5.8 UGL 5.8 UGL	21 UGL 21 UGL	4.5 UGL 4.5 UGL	.79 UGL .79 UGL	.99 UGL
Lab Sample Analysis Number Lot Date Date <	ADV14*26 WDIO 27-MAY-98 16-JUN-98 < ADV14*28 WDIO 27-MAY-98 16-JUN-98 <	ADV14*26 MDIO 27-MAY-98 16-JUN-98 ADV14*28 MDIO 27-MAY-98 16-JUN-98	ADV14*26 HDIO 27-MAY-98 16-JUN-98 < ADV14*28 HDIO 27-MAY-98 16-JUN-98 <	ADV14*26 WDIO 27-MAY-98 16-JUN-98 ADV14*28 WDIO 27-MAY-98 16-JUN-98 <	ADV14*28 NDIO 27-MAY-98 16-JUN-98 < ADV14*26 NDIO 27-MAY-98 16-JUN-98 <	ADV14*28 HDIO 27-MAY-98 16-JUN-98 < ADV14*26 HDIO 27-MAY-98 16-JUN-98 <	ADV14*28 HDIO 27-MAY-98 16-JUN-98 < ADV14*26 HDIO 27-MAY-98 16-JUN-98 <	ADV14*28 WDIO 27-MAY-98 16-JUN-98 < ADV14*26 WDIO 27-MAY-98 16-JUN-98 <	ADV14*28 HDIO 27-MAY-98 16-JUN-98 < ADV14*26 HDIO 27-MAY-98 16-JUN-98 <	ADV14*28 WDIO 27-MAY-98 16-JUN-98 < ADV14*26 WDIO 27-MAY-98 16-JUN-98 <	ADV14*26 HDIO 27-MAY-98 16-JUN-98 < ADV14*28 HDIO 27-MAY-98 16-JUN-98 <	ADV14#28 WDIO 27-MAY-98 16-JUN-98 <
IRDMIS Field IRDMIS Sample Site ID Number	57M-96-11X MX5711XX 57M-96-11X MD5711XX	57M-96-11X MX5711XX 57M-96-11X MD5711XX	57M-96-11X MX5711XX 57M-96-11X MD5711XX	57M-96-11X MX5711XX 57M-96-11X MD5711XX	57M-96-11X MD5711XX 57M-96-11X MX5711XX	57M-96-11X MD5711XX 57M-96-11X MX5711XX	57M-96-11X MD5711XX 57M-96-11X MX5711XX	57M-96-11X MD5711XX 57M-96-11X MX5711XX	57M-96-11X MD5711XX 57M-96-11X MX5711XX	57M-96-11X MD5711XX 57M-96-11X MX5711XX	57M-96-11X MX5711XX 57M-96-11X MD5711XX	57M-96-11X MD5711XX
Test	124TCB 124TCB	120CLB 120CLB	130CLB 130CLB	14DCLB 14DCLB	245TCP 245TCP	246TCP 246TCP	24DCLP 24DCLP	24DMPN 24DMPN	24DNP 24DNP	24DNT 24DNT	26DNT 26DNT	2CLP
IRDMIS Method Code	UM18 UM18	UM18 UM18	UM18 UM18	UM18 UM18	UM18 UM18	UM18 UM18	UM18 UM18	UM18 UM18	UM18 UM18	UM18 UM18	UM18 UM18	UM18
Contractor Method Description	ORGANICS/WATER/GCMS ORGANICS/WATER/GCMS	ORGANICS/WATER/GCMS ORGANICS/WATER/GCMS	ORGANICS/WATER/GCMS ORGANICS/WATER/GCMS	ORGANICS/WATER/GCMS ORGANICS/WATER/GCMS	ORGANICS/WATER/GCMS ORGANICS/WATER/GCMS	ORGANICS/WATER/GCMS ORGANICS/WATER/GCMS	ORGANICS/WATER/GCMS ORGANICS/WATER/GCMS	ORGANICS/WATER/GCMS ORGANICS/WATER/GCMS	ORGANICS/WATER/GCMS ORGANICS/WATER/GCMS	ORGANICS/WATER/GCMS ORGANICS/WATER/GCMS	ORGANICS/WATER/GCMS ORGANICS/WATER/GCMS	ORGANICS/WATER/GCMS
Contractor	ABB-ES ABB-ES	ABB-ES ABB-ES	ABB-ES ABB-ES	ABB-ES ABB-ES	ABB-ES ABB-ES	ABB-ES ABB-ES	ABB-ES ABB-ES	ABB-ES ABB-ES	ABB-ES ABB-ES	ABB-ES ABB-ES	ABB-ES ABB-ES	ABB-ES

TABLE D-10

RPO	0.	0.0		o o	o o	0.0	oʻoʻ	o o	o o	0.0	o o	o o
Value Unit	.99 UGL	.5 บค. .5 บค.	1.7 UGL 1.7 UGL	3.9 UGL 3.9 UGL	4.3 UGL	3.7 UGL 3.7 UGL	12 UGL 12 UGL	4.9 UGL 4.9 UGL	17 UGL 17 UGL	4.2 UGL 4.2 UGL	7.3 UG. 7.3 UG.	4 UGL 4 UGL
Ę	ADV14*26 WDIO 27-MAY-98 16-JUN-98 <	ADV14*28 WD10 27-MAY-98 16-JUN-98 < ADV14*26 WD10 27-MAY-98 16-JUN-98 <	ADV14*28 4D10 27-MAY-98 16-JUN-98 < ADV14*26 4D10 27-MAY-98 16-JUN-98 <	ADV14*26 WD10 27-MAY-98 16-JUN-98 < ADV14*28 WD10 27-MAY-98 16-JUN-98 <	ADV1W*28 LD10 27-MAY-98 16-JUN-98 < ADV1W*26 LD10 27-MAY-98 16-JUN-98 <	ADV14*28 LDIO 27-MAY-98 16-JUN-98 < ADV14*26 LDIO 27-MAY-98 16-JUN-98 <	ADV14*28 NDIO 27-MAY-98 16-JUN-98 < ADV14*26 NDIO 27-MAY-98 16-JUN-98 <	ADV11#26 IDIO 27-MAY-98 16-JUN-98 < ADV11#28 IDIO 27-MAY-98 16-JUN-98 <	ADV14*28 WDIO 27-MAY-98 16-JUN-98 < ADV14*26 WDIO 27-MAY-98 16-JUN-98 <	ADV14*28 LD10 27-MAY-98 16-JUN-98 < ADV14*26 LD10 27-MAY-98 16-JUN-98 <	ADV14*28 IDTO 27-MAY-98 16-JUN-98 < ADV14*26 IDTO 27-MAY-98 16-JUN-98 <	ADV14*28 4DIO 27-MAY-98 16-JUN-98 < ADV14*26 4DIO 27-MAY-98 16-JUN-98 <
IRDMIS Field IRDMIS Sample Site ID Number	57M-96-11X MX5711XX	57M-96-11X MD5711XX 57M-96-11X MX5711XX	57M-96-11X MD5711XX 57M-96-11X MX5711XX	57M-96-11X MX5711XX 57M-96-11X MD5711XX	57M-96-11X MD5711XX 57M-96-11X MX5711XX	57M-96-11X MD5711XX 57M-96-11X MX5711XX	57M-96-11X MD5711XX 57M-96-11X MX5711XX	57M-96-11X MX5711XX 57M-96-11X MD5711XX	57M-96-11X MD5711XX 57M-96-11X MX5711XX	57M-96-11X MD5711XX 57M-96-11X MX5711XX	57M-96-11X MD5711XX 57M-96-11X MX5711XX	57M-96-11X MD5711XX 57M-96-11X MX5711XX
Test Name	2CLP	2CNAP 2CNAP	ZMNAP ZMNAP	2MP 2MP	2NANIL 2NANIL	2NP 2NP	33DCBD 33DCBD	3NANIL 3NANIL	46DN2C 46DN2C	4BRPPE 4BRPPE	4CANIL	4c13c
IRDMIS Method Code	UM18	UM18 UM18	UM18 UM18	UM18 UM18	UM18 UM18	UM18	UM18 UM18	UM18 UM18	UM18 UM18	UM18 UM18	UM18 UM18	UM18 UM18
Contractor Method Description	ORGANICS/WATER/GCMS	ORGANICS/WATER/GCMS ORGANICS/WATER/GCMS	ORGANICS/WATER/GCMS ORGANICS/WATER/GCMS	ORGANICS/WATER/GCMS ORGANICS/WATER/GCMS	ORGANICS/WATER/GCMS ORGANICS/WATER/GCMS	ORGANICS/WATER/GCMS ORGANICS/WATER/GCMS	ORGANICS/WATER/GCMS ORGANICS/WATER/GCMS	ORGANICS/WATER/GCMS ORGANICS/WATER/GCMS	ORGANICS/WATER/GCMS ORGANICS/WATER/GCMS	ORGANICS/WATER/GCMS ORGANICS/WATER/GCMS	ORGANICS/WATER/GCMS ORGANICS/WATER/GCMS	ORGANICS/WATER/GCMS ORGANICS/WATER/GCMS
Contractor	ABB-ES	ABB-ES ABB-ES	ABB-ES ABB-ES	ABB-ES ABB-ES	ABB-ES ABB-ES	ABB-ES ABB-ES	ABB-ES ABB-ES	ABB-ES ABB-ES	ABB-ES ABB-ES	ABB-ES ABB-ES	ABB-ES ABB-ES	ABB-ES ABB-ES

TABLE D-10

RPD	00	o o	0.0		99	o o	99	00	0.0	0.0	99	00
Value Unit	5.1 UGL	.52 UGL	5.2 UGL	12 UGL	1.7 UGL	.5 UGL	.5 UG.	1.5 UGL	5.3 UGL	1.9 UGL	4.8 UGL	1.6 UGL
	5.1 UGL	.52 UGL	5.2 UGL	12 UGL	1.7 UGL	.5 UGL	.5 UG.	1.5 UGL	5.3 UGL	1.9 UGL	4.8 UGL	1.6 UGL
Lab Sample Analysis		ADV1W*28 WDIO 27-MAY-98 16-JUN-98 <	ADV1W*28 NDIO 27-MAY-98 16-JUN-98 <	ADV1W*26 WDIO 27-MAY-98 16-JUN-98 <	ADV1W*28 WDIO 27-MAY-98 16-JUN-98 <	ADV14*28 WDIO 27-MAY-98 16-JUN-98 <	ADV1W*28 WDIO 27-MAY-98 16-JUN-98 <	ADV14*28 4DIO 27-MAY-98 16-JUN-98 <	ADV1W*28 WDIO 27-MAY-98 16-JUN-98 <	ADV1W*28 WDIO 27-MAY-98 16-JUN-98 <	ADV1W*28 WDIO 27-MAY-98 16-JUN-98 <	ADV14*28 NDIO 27-MAY-98 16-JUN-98 <
Number Lot Date <		ADV1W*26 WDIO 27-MAY-98 16-JUN-98 <	ADV1W*26 NDIO 27-MAY-98 16-JUN-98 <	ADV1W*28 WDIO 27-MAY-98 16-JUN-98 <	ADV1W*26 WDIO 27-MAY-98 16-JUN-98 <	ADV14*26 WDIO 27-MAY-98 16-JUN-98 <	ADV1W*26 WDIO 27-MAY-98 16-JUN-98 <	ADV14*26 4DIO 27-MAY-98 16-JUN-98 <	ADV1W*26 WDIO 27-MAY-98 16-JUN-98 <	ADV1W*26 WDIO 27-MAY-98 16-JUN-98 <	ADV1W*26 WDIO 27-MAY-98 16-JUN-98 <	ADV14*26 NDIO 27-MAY-98 16-JUN-98 <
IRDMIS Field IRDMIS Sample Site ID Number	57M-96-11X MD5711XX 57M-96-11X MX5711XX	57M-96-11X MD5711XX 57M-96-11X MX5711XX	57M-96-11X MD5711XX 57M-96-11X MX5711XX	57M-96-11X MX5711XX 57M-96-11X MD5711XX	57M-96-11X MD\$711XX 57M-96-11X MX5711XX	57M-96-11X MD5711XX 57M-96-11X MX5711XX						
Test Name	4CLPPE	4MP	4NANIL 4NANIL	dn4	ANAPNE ANAPNE	ANAPYL ANAPYL	ANTRC	B2CEXM B2CEXM	B2CIPE B2CIPE	B2CLEE B2CLEE	B2EHP B2EHP	BAANTR BAANTR
IRDMIS Method Code	UM18	UM18 UM18	UM18 UM18	UM18 UM18	UM18 UM18	UM18 UM18	UM18 81MU	UM18 UM18	UM18 UM18	UM18 UM18	UM18 UM18	. UM18
Contractor Method Description	ORGANICS/WATER/GCMS	ORGANICS/WATER/GCMS	ORGANICS/WATER/GCMS	ORGANICS/WATER/GCMS	ORGANICS/WATER/GCMS	ORGANICS/WATER/GCMS	ORGANICS/WATER/GCMS	ORGANICS/WATER/GCMS	ORGANICS/WATER/GCMS	ORGANICS/WATER/GCMS	ORGANICS/WATER/GCMS	ORGANICS/WATER/GCMS
	ORGANICS/WATER/GCMS	ORGANICS/WATER/GCMS	ORGANICS/WATER/GCMS	ORGANICS/WATER/GCMS	ORGANICS/WATER/GCMS	ORGANICS/WATER/GCMS	ORGANICS/WATER/GCMS	ORGANICS/WATER/GCMS	ORGANICS/WATER/GCMS	ORGANICS/WATER/GCMS	ORGANICS/WATER/GCMS	ORGANICS/WATER/GCMS
Contractor	ABB-ES	ABB-ES	ABB-ES	ABB-ES	ABB-ES	ABB-ES	ABB-ES	ABB-ES	ABB-ES	ABB-ES	ABB-ES	ABB-ES
	ABB-ES	ABB-ES	ABB-ES	ABB-ES	ABB-ES	ABB-ES	ABB-ES	ABB-ES	ABB-ES	ABB-ES	ABB-ES	ABB-ES

FIELD DUPLICATE RESULTS UNFILTERED SAMPLES FT. DEVENS AOC 57

RPD			00	0.0	00			°.	•••	00	00	0.
Value Unit	4.7 UGL 4.7 UGL	5.4 UGL 5.4 UGL	3.4 UGL 3.4 UGL	13 UGL 13 UGL	6.1 UGL 6.1 UGL	.87 UGL	.72 UGL .72 UGL	2 VGL 2 VGL	2.4 UGL 2.4 UGL	1.6 UGL 1.6 UGL	8.6 UGL 8.6 UGL	1.5 UGL
Lab Sample Analysis Number Lot Date Date <	ADV11428 1,D10 27-MAY-98 16-JUN-98 < ADV11426 1,D10 27-MAY-98 16-JUN-98 <	ADV14*28 WD10 27-MAY-98 16-JUN-98 < ADV14*26 WD10 27-MAY-98 16-JUN-98 <	ADV14,428 ND10 27-MAY-98 16-JUN-98 < ADV14,426 ND10 27-MAY-98 16-JUN-98 <	ADV14,428 NDIO 27-MAY-98 16-JUN-98 < ADV14,426 NDIO 27-MAY-98 16-JUN-98 <	ADV14*26 4D10 27-MAY-98 16-JUN-98 < ADV14*26 4D10 27-MAY-98 16-JUN-98 <	ADV14 [#] 28 4D10 27-MAY-98 16-JUN-98 < ADV14 [#] 26 4D10 27-MAY-98 16-JUN-98 <	ADV14*28 LD10 27-MAY-98 16-JUN-98 < ADV14*26 LD10 27-MAY-98 16-JUN-98 <	ADV14*28 LD10 27-MAY-98 16-JUN-98 < ADV14*26 LD10 27-MAY-98 16-JUN-98 <	ADV14*28 ND10 27-MAY-98 16-JUN-98 < ADV14*26 ND10 27-MAY-98 16-JUN-98 <	ADV14*28 ND10 27-MAY-98 16-JUN-98 < ADV14*26 ND10 27-MAY-98 16-JUN-98 <	ADV14#28 4D10 27-MAY-98 16-JUN-98 < ADV14#26 4D10 27-MAY-98 16-JUN-98 <	ADV14*28 4DIO 27-MAY-98 16-JUN-98 <
IRDMIS Field IRDMIS Sample Site ID Number	57M-96-11X MD5711XX 57M-96-11X MX5711XX	57M-96-11X MD5711XX 57M-96-11X MX5711XX	57M-96-11X MD5711XX 57M-96-11X MX5711XX	57M-96-11X MD5711XX 57M-96-11X MX5711XX	57M-96-11X MD5711XX 57M-96-11X MX5711XX	57M-96-11X MD5711XX 57M-96-11X MX5711XX	57M-96-11X MD5711XX 57M-96-11X MX5711XX	57M-96-11X MD5711XX 57M-96-11X MX5711XX	57M-96-11X MD5711XX 57M-96-11X MX5711XX	57M-96-11X MD5711XX 57M-96-11X MX5711XX	57M-96-11X MD5711XX 57M-96-11X MX5711XX	57M-96-11X MD5711XX
Test Name	BAPYR BAPYR	BBFANT BBFANT	882P 882P	BENZOA BENZOA	BGHIPY BGHIPY	BKFANT BKFANT	BZALC BZALC	CARBAZ CARBAZ	CHRY	28970 CL682	CL6CP CL6CP	CL6ET
IRDMIS Method Code	UM18 UM18	UM18 UM18	UM18 UM18	UM18 UM18	UM18 UM18	UM18 UM18	UM18 UM18	UM18 UM18	UM18 UM18	UM18 UM18	UM18 UM18	UM18
Contractor Method Description	ORGANICS/WATER/GCMS ORGANICS/WATER/GCMS	ORGANICS/WATER/GCMS ORGANICS/WATER/GCMS	ORGANICS/WATER/GCMS ORGANICS/WATER/GCMS	ORGANICS/WATER/GCMS ORGANICS/WATER/GCMS	ORGANICS/WATER/GCMS ORGANICS/WATER/GCMS	ORGANICS/WATER/GCMS ORGANICS/WATER/GCMS	ORGANICS/WATER/GCMS ORGANICS/WATER/GCMS	ORGANICS/WATER/GCMS ORGANICS/WATER/GCMS	ORGANICS/WATER/GCMS ORGANICS/WATER/GCMS	ORGANICS/WATER/GCMS ORGANICS/WATER/GCMS	ORGANICS/WATER/GCMS ORGANICS/WATER/GCMS	ORGANICS/WATER/GCMS
Contractor	ABB-ES ABB-ES	ABB-ES ABB-ES	ABB-ES ABB-ES	ABB-ES ABB-ES	ABB-ES ABB-ES	ABB-ES ABB-ES	ABB-ES ABB-ES	ABB-ES ABB-ES	ABB-ES ABB-ES	ABB-ES ABB-ES	ABB-ES ABB-ES	ABB-ES

TABLE D-10

RPD	٥.	00,	0.0	•••	0.0	0,0	00	0.0.	0.0	0.0.	oʻoʻ	00
Value Unit	1.5 UGL	6.5 UGL 6.5 UGL	1.7 UGL 1.7 UGL	2 VGL 2 VGL	1.5 UGL 1.5 UGL	3.7 UGL 3.7 UGL	15 UGL 15 UGL	3.3 UGL 3.3 UGL	3.7 UGL 3.7 UGL	3.4 UGL 3.4 UGL	8.6 UGL 8.6 UGL	4.8 UGL
Lab Sample Analysis Number Lot Date <	ADV14*26 UDIO 27-MAY-98 16-JUN-98 <	ADV14*28 4D10 27-MAY-98 16-JUN-98 < ADV14*26 4D10 27-MAY-98 16-JUN-98 <	ADV14*28 WDIO 27-MAY-98 16-JUN-98 < ADV14*26 WDIO 27-MAY-98 16-JUN-98 <	ADV14*28 WDIO 27-MAY-98 16-JUN-98 < ADV14*26 WDIO 27-MAY-98 16-JUN-98 <	ADV1U*28 UDIO 27-MAY-98 16-JUN-98 < ADV1U*26 UDIO 27-MAY-98 16-JUN-98 <	ADV14*28 4D10 27-MAY-98 16-JUN-98 < ADV14*26 4D10 27-MAY-98 16-JUN-98 <	ADV14*28 4D10 27-MAY-98 16-JUN-98 < ADV14*26 4D10 27-MAY-98 16-JUN-98 <	ADV14*28 WDIO 27-MAY-98 16-JUN-98 < ADV14*26 WDIO 27-MAY-98 16-JUN-98 <	ADV14*28 WDIO 27-MAY-98 16-JUN-98 < ADV14*26 WDIO 27-MAY-98 16-JUN-98 <	ADV14*28 WD10 27-MAY-98 16-JUN-98 < ADV14*26 WD10 27-MAY-98 16-JUN-98 <	ADV14*28 WD10 27-MAY-98 16-JUN-98 < ADV14*26 WD10 27-MAY-98 16-JUN-98 <	ADV14#28 4D10 27-MAY-98 16-JUN-98 < ADV14#26 4D10 27-MAY-98 16-JUN-98 <
IRDMIS Field IRDMIS Sample Site ID Number	57M-96-11X MX5711XX	57M-96-11X MD5711XX 57M-96-11X MX5711XX	57M-96-11X MD5711XX 57M-96-11X MX5711XX	57M-96-11X MD5711XX 57M-96-11X MX5711XX	57M-96-11X MD5711XX 57M-96-11X MX5711XX	57M-96-11X MD5711XX 57M-96-11X MX5711XX	57M-96-11X MD5711XX 57M-96-11X MX5711XX	57M-96-11X MD5711XX 57M-96-11X MX5711XX	57M-96-11X MD5711XX 57M-96-11X MX5711XX	57M-96-11X MD5711XX 57M-96-11X MX5711XX	57M-96-11X MD5711XX 57M-96-11X MX5711XX	57M-96-11X MD5711XX 57M-96-11X MX5711XX
Test Name	CL6ET	DBAHA DBAHA	DBZFUR DBZFUR	DEP DEP	DMP DMP	DNBP DNBP	DNOP	FANT	FLRENE FLRENE	HCBO HCBO	ICDPYR ICDPYR	ISOPHR ISOPHR
IRDMIS Method Code	UM18	UM18 UM18										
Contractor Method Description	ORGANICS/WATER/GCMS	ORGANICS/WATER/GCMS ORGANICS/WATER/GCMS										
Contractor	ABB-ES	ABB-ES ABB-ES										

FIELD DUPLICATE RESULTS UNFILTERED SAMPLES FT. DEVENS AOC 57

RPD	61.1	0.0	00	00	0.0	0.0	0.0	o.o.	15.4 15.4	35.3	0.0	0.
Value Unit	6.2 UGL 3.3 UGL	.5 UGL .5 UGL	4.4 UGL	3 UGL 3 UGL	18 UGL 18 UGL	.5 UG. .5 UG.	9.2 UGL 9.2 UGL	2.8 UGL 2.8 UGL	7 UGL 6 UGL	10 UGL 7 UGL	30 UGL 30 UGL	.5 UGL
Lab Sample Analysis Number Lot Date <	ADV14*26 NDIO 27-MAY-98 16-JUN-98 ADV14*28 NDIO 27-MAY-98 16-JUN-98	ADV14*28 4DIO 27-MAY-98 16-JUN-98 < ADV14*26 4DIO 27-MAY-98 16-JUN-98 <	ADV14*28 4DIO 27-MAY-98 16-JUN-98 < ADV14*26 4DIO 27-MAY-98 16-JUN-98 <	ADV14*28 NDIO 27-MAY-98 16-JUN-98 < ADV14*26 NDIO 27-MAY-98 16-JUN-98 <	ADV14*28 WDIO 27-MAY-98 16-JUN-98 < ADV14*26 WDIO 27-MAY-98 16-JUN-98 <	ADV14*28 WDIO 27-MAY-98 16-JUN-98 < ADV14*26 WDIO 27-MAY-98 16-JUN-98 <	ADV14*28 NDIO 27-MAY-98 16-JUN-98 < ADV14*26 NDIO 27-MAY-98 16-JUN-98 <	ADV14#28 4D10 27-MAY-98 16-JUN-98 < ADV14#26 4D10 27-MAY-98 16-JUN-98 <	ADV14#28 4D10 27-MAY-98 16-JUN-98 ADV14#26 4D10 27-MAY-98 16-JUN-98	ADV14 ^M 26 4D10 27-MAY-98 16-JUN-98 ADV14 ^M 28 4D10 27-MAY-98 16-JUN-98	ADV14*28 HDIO 27-MAY-98 16-JUN-98 ADV14*26 HDIO 27-MAY-98 16-JUN-98	ADV14*28 XDGV 27-MAY-98 03-JUN-98 <
HE 07 Z	57M-96-11X MX5711XX 57M-96-11X MD5711XX	57M-96-11X MD5711XX 57M-96-11X MX5711XX M-96-11X MX5711XX 57M-96-11X MD5711XX	57M-96-11X MD5711XX 57M-96-11X MX5711XX	57M-96-11X MD5711XX								
Test Name	NAP NAP	R R	NNDNPA	NNDPA	55	PHANTR PHANTR	PHENOL PHENOL	PYR PYR	UNK530 UNK530	UNK538 UNK538	UNK621 UNK621	111TCE
IRDMIS Method Code	UM18	UM18 UM18	UM18 UM18	UM18 UM18	UM18 81MU	UM18 UM18	UM18 UM18	UM18 UM18	UM18 UM18	UM18 UM18	UM18 81MU	UMZ0
	ORGANICS/WATER/GCMS ORGANICS/WATER/GCMS	ORGANICS/WATER/GCMS ORGANICS/WATER/GCMS GANICS/WATER/GCMS ORGANICS/WATER/GCMS	ORGANICS/WATER/GCMS ORGANICS/WATER/GCMS	VOLATILES/WATER/GCMS								
Contracto	ABB-ES ABB-ES	ABB-ES ABB-ES	ABB-ES ABB-ES	ABB-ES ABB-ES	ABB-ES ABB-ES	ABB-ES ABB-ES	ABB-ES ABB-ES	ABB-ES ABB-ES	ABB-ES ABB-ES	ABB-ES ABB-ES	ABB-ES ABB-ES	ABB-ES

TABLE D-10

RPD	•	0.0	0.0	o o	0.0	o o	0.0	·.·	0.0	0.0	100.0	00
Value Unit	.5 UGL	1.2 UGL 1.2 UGL	.5 UG. .5 UG.	.68 UGL .68 UGL	20 UGL 20 UGL	,5 UGL ,5 UGL	.5 UG. .5 UG.	.5 UQ. .5 UQ.	20 UGL 20 UGL	.71 UGL .71 UGL	30 UGL 10 UGL	13 UG. 13 UG.
Analysis Date <	- 36-NUC-	03-JUN-98 <	- JUN-98 <	03-JUN-98 <	03-JUN-98 03-JUN-98	03-JUN-98 <	03-JUN-98 < 03-JUN-98 <	03-JUN-98 <	03-JUN-98 03-JUN-98	03-JUN-98 <	03-JUN-98 03-JUN-98	- 30N-98 <
Sample An Date Da	27-MAY-98 03-JUN-98	27-MAY-98 27-MAY-98	27-MAY-98 03-JUN-98 27-MAY-98 03-JUN-98	27-MAY-98 27-MAY-98	27-MAY-98 27-MAY-98	27-MAY-98 27-MAY-98	27-MAY-98 03 27-MAY-98 03	27-MAY-98 27-MAY-98	27-MAY-98 03-JUN-98 27-MAY-98 03-JUN-98	27-MAY-98 03 27-MAY-98 03	27-MAY-98 27-MAY-98	27-MAY-98 03-JUN-98 27-MAY-98 03-JUN-98
Lab Number Lot	ADV1W*26 XDGV	ADV14*28 XDGV ADV14*26 XDGV	ADV14*28 XDGV ADV14*26 XDGV	ADV14*28 XDGV ADV14*26 XDGV	ADV1W*26 XDGV ADV1W*28 XDGV	ADV1W*26 XDGV ADV1W*28 XDGV	ADV14*26 XDGV ADV14*28 XDGV	Adv14#26 xdgv Adv14#28 xdgv	ADV14*26 XDGV ADV14*28 XDGV	ADV1W*26 XDGV ADV1W*28 XDGV	ADV14*28 XDGV ADV14*26 XDGV	ADV1W*26 XDGV ADV1W*28 XDGV
IRDMIS Field Sample L Number N	:				MX5711XX MD5711XX	MX5711XX MD5711XX	MX5711XX MD5711XX	MX5711XX MD5711XX		•	D5711XX IX5711XX	
IRDMIS Site ID	57M-96-11X MX5711XX	57M-96-11X MD5711XX 57M-96-11X MX5711XX	57M-96-11X MD5711XX 57M-96-11X MX5711XX	57M-96-11X MD5711XX 57M-96-11X MX5711XX	57M-96-11X 57M-96-11X	57M-96-11X MX5711XX 57M-96-11X MD5711XX	57M-96-11X 57M-96-11X	57M-96-11X 57M-96-11X	57M-96-11X MX5711XX 57M-96-11X MD5711XX	57M-96-11X MX5711XX 57M-96-11X MD5711XX	57M-96-11X N 57M-96-11X N	57M-96-11X MX5711XX 57M-96-11X MD5711XX
Test Name	111TCE	112TCE 112TCE	. 110CE	11DCLE 11DCLE	124TMB 124TMB	120CE 120CE	120CLE 120CLE	120CLP 120CLP	1EZMB 1EZMB	2CLEVE 2CLEVE	3MEPEN 3MEPEN	ACET ACET
IRDMIS Method Code	UM20	UM20 UM20										
Contractor Method Description	VOLATILES/WATER/GCMS	VOLATILES/WATER/GCMS VOLATILES/WATER/GCMS										
Contractor	ABB-ES	ABB-ES ABB-ES										

TABLE D-10

RPD	0.0	00	0.0	0.0.	•••	•••	°.	°°.	0.0	0.0	00	•••
Value Unit	.59 UGL	.58 UGL	8.3 UGL	2.6 UGL	1.9 UGL	.5 UGL	1.4 UGL	.58 UGL	2.3 UGL	5.8 UGL	3.2 UGL	2.6 UGL
	.59 UGL	.58 UGL	8.3 UGL	2.6 UGL	1.9 UGL	.5 UGL	1.4 UGL	.58 UGL	2.3 UGL	5.8 UGL	3.2 UGL	2.6 UGL
Lab Sample Analysis	90 80	ADV14*26 XDGV 27-MAY-98 03-JUN-98 <	ADV14*26 XDGV 27-MAY-98 03-JUN-98 <	ADV14*26 XDGV 27-MAY-98 03-JUN-98 <	ADV14*26 XDGV 27-MAY-98 03-JUN-98 <	ADV14*26 XDGV 27-MAY-98 03-JUN-98 <	ADV14*26 XDGV 27-MAY-98 03-JUN-98 <	ADV14*26 XDGV 27-MAY-98 03-JUN-98 <	ADV14*26 XDGV 27-MAY-98 03-JUN-98 <	ADV14*26 XDGV 27-MAY-98 03-JUN-98 <	ADV14*26 XDGV 27-MAY-98 03-JUN-98 <	ADV14*26 XDGV 27-MAY-98 03-JUN-98 <
Number Lot Date <		ADV14*28 XDGV 27-MAY-98 03-JUN-98 <	ADV14*28 XDGV 27-MAY-98 03-JUN-98 <	ADV14*28 XDGV 27-MAY-98 03-JUN-98 <	ADV14*28 XDGV 27-MAY-98 03-JUN-98 <	ADV14*28 XDGV 27-MAY-98 03-JUN-98 <	ADV14*28 XDGV 27-MAY-98 03-JUN-98 <	ADV14*28 XDGV 27-MAY-98 03-JUN-98 <	ADV14*28 XDGV 27-MAY-98 03-JUN-98 <	ADV14*28 XDGV 27-MAY-98 03-JUN-98 <	ADV14*28 XDGV 27-MAY-98 03-JUN-98 <	ADV14*28 XDGV 27-MAY-98 03-JUN-98 <
	57M-96-11X MX5711XX AD	57M-96-11X MX5711XX AD	57M-96-11X MX5711XX AD	57M-96-11X MX5711XX AD	57M-96-11X MX5711XX AD	57M-96-11X MX5711XX AD	57M-96-11X MX5711XX AD	57M-96-11X MX5711XX AD	57M-96-11X MX5711XX AD	57M-96-11X MX5711XX AD	57M-96-11X MX5711XX AD	57M-96-11X MX5711XX AD
	57M-96-11X MD5711XX AD	57M-96-11X MD5711XX AD	57M-96-11X MD5711XX AD	57M-96-11X MD5711XX AD	57M-96-11X MD5711XX AD	57M-96-11X MD5711XX AD	57M-96-11X MD5711XX AD	57M-96-11X MD5711XX AD	57M-96-11X MD5711XX AD	57M-96-11X MD5711XX AD	57M-96-11X MD5711XX AD	57M-96-11X MD5711XX AD
Test	BRDCLM	C130CP	C2AVE	C2H3CL	C2H5CL	66H6	CCL3F	7100	CH2CL2	CH3BR	CH3CL	CHBR3
Name	BRDCLM	C130CP	C2AVE	C2H3CL	C2H5CL	C6H6	CCL3F	6017	CH2CL2	CH3BR	CH3CL	CHBR3
IRDMIS Method Code	UM20 UM20	UM20 UM20	UM20 UM20	UM20 UM20	UM20 UM20	UM20 UM20	UM20 UM20	UM20	UM20 UM20	UM20	UM20 UM20	UM20 UM20
Contractor Method Description	VOLATILES/WATER/GCMS VOLATILES/WATER/GCMS	VOLATILES/WATER/GCMS VOLATILES/WATER/GCMS	VOLATILES/WATER/GCMS VOLATILES/WATER/GCMS	VOLATILES/WATER/GCMS VOLATILES/WATER/GCMS	VOLATILES/WATER/GCMS VOLATILES/WATER/GCMS	VOLATILES/WATER/GCMS VOLATILES/WATER/GCMS	VOLATILES/WATER/GCMS VOLATILES/WATER/GCMS	VOLATILES/WATER/GCMS VOLATILES/WATER/GCMS	VOLATILES/WATER/GCMS VOLATILES/WATER/GCMS	VOLATILES/WATER/GCMS VOLATILES/WATER/GCMS	VOLATILES/WATER/GCMS VOLATILES/WATER/GCMS	VOLATILES/WATER/GCMS VOLATILES/WATER/GCMS
Contracto	ABB-ES	ABB-ES	ABB-ES	ABB-ES	ABB-ES	ABB-ES	ABB-ES	ABB-ES	ABB-ES	ABB-ES	ABB-ES	ABB-ES
	ABB-ES	ABB-ES	ABB-ES	ABB-ES	ABB-ES	ABB-ES	ABB-ES	ABB-ES	ABB-ES	ABB-ES	ABB-ES	ABB-ES

TABLE D-10

RPD	o o	5.4	0.0	o o	0.0	o.o.	00	00	00	0.0	o o	٥.
Value Unit	.5 uel	19 UGL 18 UGL	.5 ve. .5 ve.	.5 ve. .5 ve.	20 UGL 20 UGL	.67 UGL	20 UGL 20 UGL	.5 ve. .5 ve.	20 UGL 20 UGL	6.4 UGL 6.4 UGL	3 UGL 3 UGL	3.6 UGL
Sample Analysis Lot Date Date <	26 XDGV 27-MAY-98 03-JUN-98 < 28 XDGV 27-MAY-98 03-JUN-98 <	26 XDGV 27-MAY-98 03-JUN-98 28 XDGV 27-MAY-98 03-JUN-98	26 XDGV 27-MAY-98 03-JUN-98 <	26 XDGV 27-MAY-98 03-JUN-98 < 28 XDGV 27-MAY-98 03-JUN-98 <	26 XDGV 27-MAY-98 03-JUN-98 28 XDGV 27-MAY-98 03-JUN-98	26 XDGV 27-MAY-98 03-JUN-98 <	26 XDGV 27-MAY-98 03-JUN-98 28 XDGV 27-MAY-98 03-JUN-98	26 XDGV 27-MAY-98 03-JUN-98 < 88 XDGV 27-MAY-98 03-JUN-98 <	26 XDGV 27-MAY-98 03-JUN-98 28 XDGV 27-MAY-98 03-JUN-98	:6 XDGV 27-MAY-98 03-JUN-98 <	6 XDGV 27-MAY-98 03-JUN-98 < 8 XDGV 27-MAY-98 03-JUN-98 <	ADV14*26 XDGV 27-MAY-98 03-JUN-98 <
Lab	ADV1₩*26 ADV1₩*28	ADV114*26 ADV114*28	ADV14*26 ADV14*28	ADV114*26 ADV114*28	ADV1W*26 ADV1W*28	ADV1W*26 ADV1W*28	ADV14¥26 ADV14¥28	ADV14*26 ADV14*28	ADV114*26 ADV114*28	ADV1W*26 ADV1W*28	ADV14*26 ADV14*28	ADV1W*2
IRDMIS Field IRDMIS Sample Site ID Number	57M-96-11X MX5711XX 57M-96-11X MD5711XX	57M-96-11X MX5711XX 57M-96-11X MD5711XX	57M-96-11X MX5711XX 57M-96-11X MD5711XX	57M-96-11X MX5711XX 57M-96-11X MD5711XX	57M-96-11X MX5711XX 57M-96-11X MD5711XX	57M-96-11X MX5711XX 57M-96-11X MD5711XX	57M-96-11X MX5711XX 57M-96-11X MD5711XX	57M-96-11X.MX5711XX 57M-96-11X MD5711XX	57M-96-11X MX5711XX 57M-96-11X MD5711XX	57M-96-11X MX5711XX 57M-96-11X MD5711XX	57M-96-11X MX5711XX 57M-96-11X MD5711XX	57M-96-11X MX5711XX
Test Name	CHCL3 CHCL3	CL28Z CL28Z	CLC6H5 CLC6H5	CS2 CS2	CYHX	DBRCLM DBRCLM	ETC6H5 ETC6H5	MEC6H5 MEC6H5	MECYPE	盖	MIBK MIBK	MNBK
IRDMIS Method Code	UM20 UM20	UM20 UM20	UM20 UM20	UM20 UM20	UM20 UM20	UM20 UM20	UM20 UM20	UM20 UM20	UM20 UM20	UM20 UM20	UM20 UM20	UM20
Contractor Method Description	VOLATILES/WATER/GCMS VOLATILES/WATER/GCMS	VOLATILES/WATER/GCMS VOLATILES/WATER/GCMS	VOLATILES/WATER/GCMS VOLATILES/WATER/GCMS	VOLATILES/WATER/GCMS	VOLATILES/WATER/GCMS VOLATILES/WATER/GCMS	VOLATILES/WATER/GCMS VOLATILES/WATER/GCMS	VOLATILES/WATER/GCMS VOLATILES/WATER/GCMS	VOLATILES/WATER/GCMS VOLATILES/WATER/GCMS	VOLATILES/WATER/GCMS VOLATILES/WATER/GCMS	VOLATILES/WATER/GCMS VOLATILES/WATER/GCMS	VOLATILES/WATER/GCMS VOLATILES/WATER/GCMS	VOLATILES/WATER/GCMS
Contractor	ABB-ES ABB-ES	ABB-ES ABB-ES	ABB-ES ABB-ES	ABB-ES ABB-ES	ABB-ES ABB-ES	ABB-ES ABB-ES	ABB-ES ABB-ES	ABB-ES ABB-ES	ABB-ES ABB-ES	ABB-ES ABB-ES	ABB-ES ABB-ES	ABB-ES

FIELD DUPLICATE RESULTS UNFILTERED SAMPLES FT. DEVENS AOC 57

RPD	۰.	0.0.	0.0.	00	00	0.0	88	2.7	1.7
Value Unit	3.6 บด.	10 UGL 10 UGL	10 UGL 10 UGL	.5 ue. .5 ue.	.7 UGL .7 UGL	.51 UGL .51 UGL	5.5 UG. 5.4 UG.	3.8 UGL 3.7 UGL	5.9 UGL 5.8 UGL
Lab Sample Analysis Number Lot Date <	ADV14*28 XDGV 27-MAY-98 03-JUN-98 <	ADV14*26 XDGV 27-MAY-98 03-JUN-98 ADV14*28 XDGV 27-MAY-98 03-JUN-98	ADV14*26 XDGV 27-MAY-98 03-JUN-98 ADV14*28 XDGV 27-MAY-98 03-JUN-98	ADV14*26 XDGV 27-MAY-98 03-JUN-98 < ADV14*28 XDGV 27-MAY-98 03-JUN-98 <	ADV14*26 XDGV 27-MAY-98 03-JUN-98 < ADV14*28 XDGV 27-MAY-98 03-JUN-98 <	ADV1W*26 XDGV 27-MAY-98 03-JUN-98 < ADV1W*28 XDGV 27-MAY-98 03-JUN-98 <	ADV14*28 XDGV 27-MAY-98 03-JUN-98 ADV14*28 XDGV 27-MAY-98 03-JUN-98	ADV1W*28 XDGV 27-MAY-98 03-JUN-98 ADV1W*26 XDGV 27-MAY-98 03-JUN-98	ADV14*26 XDGV 27-MAY-98 03-JUN-98 ADV14*28 XDGV 27-MAY-98 03-JUN-98
IRDMIS Field IRDMIS Sample Site ID Number	57M-96-11X MD5711XX	57M-96-11X MX5711XX 57M-96-11X MD5711XX	57M-96-11X MX5711XX 57M-96-11X MD5711XX	57M-96-11X MX5711XX 57M-96-11X MD5711XX	57M-96-11X MX5711XX 57M-96-11X MD5711XX	57M-96-11X MX5711XX 57M-96-11X MD5711XX	57M-96-11X MD5711XX 57M-96-11X MX5711XX	57M-96-11X MD5711XX 57M-96-11X MX5711XX	57M-96-11X MX5711XX 57M-96-11X MD5711XX
. Test Name	MNBK	NAP NAP	PRC6H5 PRC6H5	STYR	T130CP T130CP	TCLEA TCLEA	TCLEE TCLEE	TRCLE	XYLEN
IRDMIS Method Code	UM20	UM20 UM20	UM20 UM20	UM20 UM20	UM20 UM20	UM20 UM20	UM20 UM20	UM20 UM20	UM20 UM20
Contractor Method Description	VOLATILES/WATER/GCMS	VOLATILES/WATER/GCMS VOLATILES/WATER/GCMS	VOLATILES/WATER/GCMS VOLATILES/WATER/GCMS	VOLATILES/WATER/GCMS VOLATILES/WATER/GCMS	VOLATILES/WATER/GCMS VOLATILES/WATER/GCMS	VOLATILES/WATER/GCMS VOLATILES/WATER/GCMS	VOLATILES/WATER/GCMS VOLATILES/WATER/GCMS	VOLATILES/WATER/GCMS VOLATILES/WATER/GCMS	VOLATILES/WATER/GCMS VOLATILES/WATER/GCMS
Contracto	ABB-ES	ABB-ES ABB-ES	ABB-ES ABB-ES	ABB-ES ABB-ES	ABB-ES ABB-ES	ABB-ES ABB-ES	ABB-ES ABB-ES	ABB-ES ABB-ES	ABB-ES ABB-ES

TABLE D-11 SUMMARY OF TENTATIVELY IDENTIFIED COMPOUNDS AOC 57 1998 SUPPLEMENTAL FIELD INVESTIGATION DEVENS, MASSACHUSETTS

		FIELD SAMPLE	IRDMIS	PARAMETER	1		FLAG
MEDIA	SITE ID	NUMBER	TEST NAME	NAME	VAL	.UE	CODE
SVOA	57D-98-01X	DX570100		nonacosane	6.7		s
sediment			UNK646-687			14	s
(LM18)	57D-98-02X	DX570200		hexadecanoic acid	1.6		S
•			C27	heptacosane	5.2		s
			SMOLE	sulfur	2.1		s
			UNK532-687	unknown (20)		145	s
	57D-98-03X	DX570300	C29	nonacosane	9.4		S
			UNK644-687	unknown (12)	1	45	S
	57D-98-04X	DX570400	C29	nonacosane	13		S
·			PHENAA	phenacetin	1.3		S
			UNK597-689	unknown (32)		121	
	57D-98-05X	DX570500	C16A	hexadecane	5.5		S
			C27	heptacosane	7.4		S
			SMOLE	sulfur	1.8		S
			UNK517-695	unknown (18)		54	S
	57D-98-06X	DX570600	C29	nonacosane	7.2		S
			UNK538-687	unknown (21)		69	
	57D-98-07X	DX570700	3S5E3L	ß-sitosterol	1.8		S
				unknown (30)	<u> </u>	97	
	57D-98-08X	DX570800	3S5E3L	ß-sitosterol	.66		S
				unknown (21)		31	S
SVOA	57S-98-01X		UNK636-695				S
soils	57S-98-02X		UNK645-669			59	
(LM18)	57S-98-03X		UNK667	unknown	20		S
	57S-98-05X		UNK667	unknown	2		S
	57S-98-06X		UNK653-669		 	21	
	57S-98-07X	SD570700	ALPHPN	alpha-pinene	1 _		SD
			C27	heptacosane	1.5	.=	SD
İ	570.00.071/	0)/570700		unknown (10)	1	2/	SD
	57S-98-07X	SX570700	ALPHPN	alpha-pinene	10	470	S
	570.00.07%	0)/570704	UNK645-669		 	170	
	57S-98-07X		UNK577-628	unknown (4)	1	50	
	57S-98-08X	50000	C29	nonacosane	11	-00	S
	57S-98-09X	CV570000	UNK636-695		┼	68	0
	57S-98-13X			unknown (6)	-	50	s s
	57S-98-14X		UNK653 UNK667	unknown	.8 1		S
	57S-98-15X		UNK695	unknown			S
SVOA		MD5711XX	UNK525-621	unknown unknown (4)	.4	40	SD
water		MX5711XX			7	49	
(UM18)	21 M-80-1 1V	IMV9/ LIVY	PRC6H5	ethylbenzene	7		S
(CIVITO)			UNK519-621	propylbenzene unknown (4)	4	En	S
	57P-08-02V	MX5702XX		unknown (2)	+		S
		MX5703XX	PRC6H5	propylbenzene	5	18	S
	1071 -90-03X	IMINO I DOWN		unknown (15)	٦	171	1
			XYLEN	xylene	5	171	S
}	57\\\/_Q8_05\	WX570500		unknown (3)	1	24	S
I	0144-90-00	1447010000	TOTALOZO-000	Tankiowii (o)			10

TABLE D-11 SUMMARY OF TENTATIVELY IDENTIFIED COMPOUNDS AOC 57 1998 SUPPLEMENTAL FIELD INVESTIGATION DEVENS, MASSACHUSETTS

		FIELD SAMPLE	IRDMIS	PARAMETER		FLAG
MEDIA	SITE ID	NUMBER	TEST NAME	NAME	VALUE	CODE
	57W-98-08X	WX570800	UNK662	unknown	4	S
VOA	57M-96-11X	MD5711XX	124TMB	1,2,4-trimethylbenzene	20	S
water			1E2MB	1-ethyl-2-methylbenzene	20	S
(UM20)		ł	2MEPEN	2-methylpentane	10	s
			3MEPEN	3-methylpentane	30	s
			CL2BZ	chlorobenzene	18	s
			CYHX	cyclohexane	20	s
			MECYPE	methylcyclopentane	20	s
			NAP	naphthalene	10	s
			PRC6H5	propylbenzene	10	s
			UNK219	unknown	10	s
	57M-96-11X	MX5711XX	124TMB	1,2,4-trimethylbenzene	20	S
			1E2MB	1-ethyl-2-methylbenzene	20	S
			3MEPEN	3-methylpentane	10	s
			CL2BZ	chlorobenzene	19	s
			CYHX	cyclohexane	20	s
			INDAN	indan	10	s
			MECYPE	methylcyclopentane	20	s
			NAP	naphthalene	10	s
			PCYMEN	4-(1-methylethyl)toluene	10	s
			PRC6H5	propylbenzene	10	S
	57P-98-03X	MX5703XX	124TMB	1,2,4-trimethylbenzene	70	S
	1		1E2MB	1-ethyl-2-methylbenzene	10	s
			INDAN	indan	6	s
	1	·	NAP	naphthalene	8	s
			UNK237	unknown	7	s

Notes:

soils = $\mu g/g$ wates = $\mu g/L$

S = non-target compound; D = duplicate

Unknown (#) = total concentration of specified number of unidentified non-target compounds

SVOA = semivolatile organic analysis

VOA = volatile organic analysis

1999 OFF-SITE LABORATORY DATA (AREA 3 SOIL REMOVAL)

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A data quality review was completed on analytical data collected during confirmation sampling associated with the AOC 57 Source Area 3 Removal Action. Samples were analyzed for extractable petroleum hydrocarbon (EPH), volatile petroleum hydrocarbon (VPH), organochlorine pesticides by USEPA Method 8081, and polychlorinated biphenyls (PCBs) by USEPA Method 8082 (USEPA, 1996). Soil samples were analyzed for EPH/VPH using Massachusetts Department of Environmental Protection (MADEP) procedures (MADEP, 1998). Samples were analyzed by Katahdin Analytical Services in Westbrook, Maine. Soil samples were collected during field investigations completed in March, April, and June 1999. Data were validated to evaluate quality control measurement data associated with the laboratory analytical results, and to determine the usability of reported results.

Based on the data quality review described below, all VPH/EPH and PCB results are considered to be usable for quantitative and qualitative assessment of the presence and concentration of specified target analytes. Results for some hydrocarbon groups and target compounds have been qualified J indicating that reported results are interpreted to be estimated values. A subset of pesticide results has been qualified rejected R or estimated J due to poor matrix spike performance. Qualified sample results are discussed in detail below.

Data Review

The data quality review was performed by the HLA project chemist in accordance with reduced data validation guidance provided by the USACE New England. During the validation process, the major QC measurement specified in the analytical data sets are evaluated. Data validation actions were based on qualification procedures outlined in the USEPA validation guidance documents (USEPA, 1994). The following QC measurement and method requirements were evaluated:

- holding time compliance
- sample shipping and custody records
- laboratory control sample (LCS) results
- matrix spike (MS) results
- surrogate recoveries
- laboratory and field QC blank results
- field duplicate results

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VPH

All soil samples were preserved in methanol and analyzed within the 28 day holding time specified in the method. No target analytes were reported in laboratory method blanks, trip blanks, or rinse blanks associated with the data sets. LCS recoveries and duplicate data associated with the soil samples were within method specified limits indicating the analytical method was in control during the analysis of all samples in the data set. No matrix spike analyses were completed on samples in the data set due to lack of adequate volume of samples supplied to the laboratory. With the exception of samples discussed below, surrogate recoveries were within method specified limits for all samples.

A subset of samples was run at dilutions due to the presence of C9-C12 non-target compounds in the sample analysis. Reporting limits for BTEX and MTBE were elevated due to dilution in samples EX57W11X, EX57W14X, EX57W15X and the associated field duplicate, EX57W16X, and EX57W17X. It is possible that BTEX and MTBE might be present at concentrations below these elevated reporting limits; however, the overall VPH target compound results suggest that the contamination is primarily weathered hydrocarbons with the majority of BTEX has degraded.

The following data qualification actions and data use considerations should be incorporated into assessments made with this data set:

- 1. Aromatic fractions and target compound results in samples EX57W15X and the associated field duplicate, and EX57W 17X, were qualified estimated J due to surrogate recovery outside the method specified limits of 70%-130%. Surrogate recovery for the aromatic fraction was 62% 67% indicating a slight low bias in the results.
- 2. All results for sample EX57W13X were qualified estimated J because of surrogate recovery outside the method specified limits of 70%-130%. Surrogate recovery for the aromatic and aliphatic fractions were 66% 69% indicating a slight low bias in the results.
- 3. Results for the C9-C10 aromatic fraction in sample EX57W 02X and the associated duplicate were qualified estimated J due to differences in the field duplicate results.

EPH

All samples were analyzed within the 14 day soil holding time specified in the method. LCS and MS recoveries, and duplicate data were within method specified limits for the majority of analytes indicating the analytical method was in control during the analyses. With the exception of two samples discussed below, surrogate recoveries were within method specified limits for all samples.

The following data qualification actions and data use considerations should be incorporated into assessments made with this data set:

- 1. Aromatic fraction and target compound results for soil sample EX57W13X were qualified estimated J due to low surrogate recovery (34%). Results for these samples are considered potentially biased low.
- 2. Aliphatic fraction and target compound results for soil sample EX57W12X were qualified estimated J due to low surrogate recovery (19%). Results for these samples are considered potentially biased low.
- 3. Naphthalene results for a subset of samples were qualified estimated J due to low matrix spike recoveries of (31% 43%).
- 4. In samples EX57W02X, EX57W06X, EX57W08X, and EX57W12X results reported for C19-C36 aliphatics were qualified non-detect U due to similar concentrations being reported in the laboratory method blank.

Pesticides

All samples were analyzed within the 14 day soil holding time specified in the method. LCS recoveries, and duplicate data were within method specified limits. All reported surrogate recoveries were within method limits. Data from the MS/MSD pairs analyzed with each of the 3 data delivery groups indicate that there were matrix effects limiting the accuracy of the pesticide results. Different matrix effects were observed for each MS/MSD pair including inconsistent low and high recoveries in a subset of the target compounds. In two of three MS/MSD samples, high concentrations of PCBs were present in the samples causing interference in the data. No clean up steps were taken during the analysis of these samples. It is possible that more reliable data could have been obtained if clean up steps including Forisil or Silica clean ups were undertaken at the laboratory. Results were qualified based on USEPA guidelines.

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- 1. Results for dieldrin, 4,4'-DDD, 4,4'-DDT, alpha-chlorodane, beta-BHC, endosulfan I and II, endosulfan sulfate, endrin, gama-BHC, gama-chlordane, and heptachlor epoxide were qualified estimated J in a subset of samples due to matrix spike recoveries outside limits.
- 2. A subset of methoxychlor results were rejected R due to low MS recoveries.

PCBs

All samples were analyzed within the 14 day soil holding time specified in the method. LCS, MS, surrogate recoveries, and duplicate data were within method specified limits indicating the analytical method was in control during the analyses. No data qualification was done on the PCB data sets.

Reference:

- Massachusetts Department of Environmental Protection (MADEP), 1998. "Method for the Determination of Volatile Petroleum Hydrocarbons (VPH)"; Division of Environmental Analysis; Office of Research and Standards; Bureau of Waste Site Cleanup; January 1998.
- Massachusetts Department of Environmental Protection (MADEP), 1998. "Method for the Determination of Extractable Petroleum Hydrocarbons (EPH)"; Division of Environmental Analysis; Office of Research and Standards; Bureau of Waste Site Cleanup; January 1998.
- U.S. Environmental Protection Agency (USEPA), 1996. "Test Methods for Evaluating Solid Waste"; Laboratory Manual Physical/Chemical Methods; Office of Solid Waste and Emergency Response; Washington, DC; SW-846; November 1986; Revision 4 -December 1996.
- U.S. Environmental Protection Agency (USEPA), 1994. "USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review"; Office of Solid Waste and Emergency Response; EPA-540/R-94/012; February 1994.